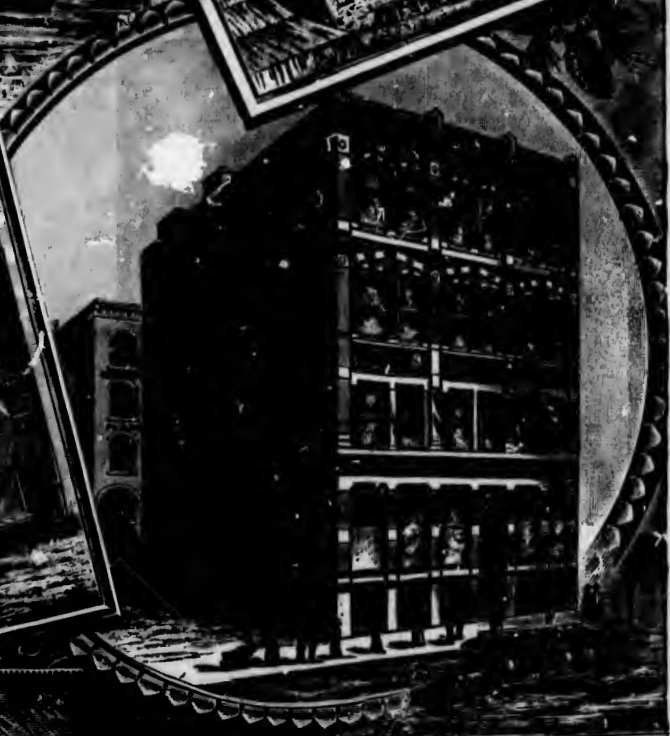


WAREHOUSES OF **HOBBS HARDWARE CO**



LONDON CANADA

PRINTED BY
LONDON
1916 E 56

HORSE SHOES

MADE BY

PECK, BENNY & CO.,

MONTREAL.

HIND.



FORWARD.



WEIGHTS OF HORSE SHOES.

HIND.

Nos.	0	1	2	3	4	5	6	7
	10	12½	14½	17	22	25½	34	37 oz.

FORWARD.

Nos.	0	1	2	3	4	5	6	7
	12½	16½	18½	22	27½	30½	36	40 oz.

Price for Kegs \$
 Price for less quantity

WINTER, OR SNOW SHOE PATTERN.

These Shoes are made expressly for Winter Use, as, being "Concave," the snow is prevented from "balling." They are a Self-Clearing Shoe, and lighter than the ordinary pattern.

Price per keg, \$

MULE SHOES SUPPLIED TO ORDER.

In ordering please say what pattern is required. Also whether Shoes are to be packed "Assorted Forward and Hind," "All Forward," or "All Hind."

HORSE NAILS



OVAL HEAD.

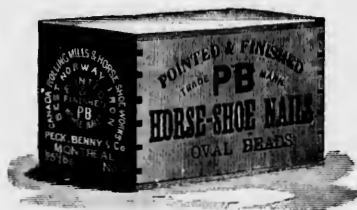


COUNTERSUNK HEAD.



HORSE NAILS, P. B. BRAND.

25 lbs. Boxes.



HORSE NAILS, M. BRAND.

25 lbs. Boxes.



"P. B." AND "M." BRANDS.

Nos.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Inch,	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	2⅞	3	3⅛	3¼
Per lb.,	\$1 50	1 00	75	50	30	27	24	23	22	22	22	22	22	22	22

Every Nail uniform and perfect.

GOLD MEDAL



CBS HORSE-NAILS



We use the best material known for Horse-Nails, and sell only to the Trade, as the best means to reach the Consumer. All sizes, from No. 1 to No. 15, constantly in stock.

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	2⅞	3	3⅝	3¼ in.
\$	50	1 00	75	50	30	27	24	23	22	22	22	22	22	22	22 cents.

PLATE NAIL



EVERY NAIL UNIFORM AND PERFECT.

NAILS

MANUFACTURED FROM BEST QUALITY IRON AND STEEL.

STANDARD LIST.



IRON AND STEEL CUT NAILS.

Branded,	3 dy. fine	3	4	4½	5	6	7	8	9	10	12	16	20	30	40	50	60 dy.
Length, inches,	1½	1¾	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	4	4½	5	5½	6	
Number of nails to the pound,	800	464	296	260	224	168	124	88	70	60	48	36	24	18	14	10	8

IRON CUT NAILS.

	Per Keg.	Add to the price of 10 dy.
10 dy. to 60 dy.—Hot Cut American or Canadian Pattern	\$	
8 dy. and 9 dy. " " " "		\$0 25
6 dy. and 7 dy. " " " "		50
4 dy. and 5 dy. " American Pattern		75
3 dy. " " " "		1 50
3 dy.—Fine Hot Cut " "		3 00
4 dy. and 5 dy.—Cold Cut, Canada Pattern		50

STEEL NAILS.

Steel Nails	10 cents per keg extra
-------------	------------------------

CUT SPIKES.

Cut Spikes, all sizes	25 cents per keg advance
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FENCE NAILS.

Branded,	6 dy.	8	9	10	12	16 dy.
Length, inches,	2	2½	2¾	3	3¼	3½
Number to the pound,	84	43	40	30	24	20
Add to price of 10 dy.	50c	25c per keg.				

FLOORING NAILS.

Branded,	6 dy.	7	8	9	10
Length, inches,	2	2¼	2½	2¾	3
Number to the pound,	168	124	88	70	60
Advance on base,	\$1 00		75		50c per keg

CASING NAILS.

Branded,	3 dy.	4	5	6	7	8	9	10	12	16	20 dy.
Length, inches,	1¾	1¾	1¾	2	2¼	2½	2¾	3	3¼	3½	4
Number to the pound,	545	398	321	224	178	128	109	91	71	54	40
Advance on base,	\$2 00	1 25		1 00		75		50c per keg			

FINISHING NAILS.

Length, inches,	1	1½	1½	1¾	2	2¼	2½	2¾	3 and up
Number to the pound,	1100	720	523	410	268	207	146	124	102
Advance on base,	\$2 65	1 90	1 65	1 40	90c per keg, and all larger than 2 inch.				

COMMON FLOUR BARREL NAILS.

Length, inches,	¾	1	1½
Advance on base,	\$2 40	2 00	1 70 per keg

PRESSED SPIKES



$\frac{1}{8}$ inch by 4 inch, and longer
 $\frac{5}{16}$ inch by 4 inch, and longer
 $\frac{3}{8}$ inch by 4 inch, and longer
 $\frac{7}{16}$ inch by 4 inch, and longer
 $\frac{1}{2}$ inch by 4 inch, and longer
 Discount

84 75 per 100 pounds
 4 50 "
 4 25 "
 3 90 "
 3 90 "

CLINCH AND HEAVY CLINCH NAILS.

$\frac{1}{4}$ inch $1\frac{1}{4}$ inch $1\frac{1}{2}$ and $1\frac{3}{4}$ inch 2 and $2\frac{1}{4}$ inch $2\frac{1}{2}$ and $2\frac{3}{4}$ inch 3 inch, and upwards

FLAT AND SHARP PRESSED NAILS.

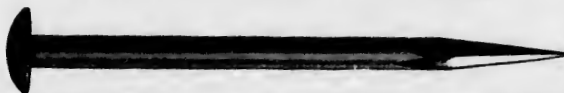
$\frac{1}{4}$ inch $1\frac{1}{4}$ inch $1\frac{1}{2}$ and $1\frac{3}{4}$ inch 2 and $2\frac{1}{4}$ inch $2\frac{1}{2}$ and $2\frac{3}{4}$ inch 3 inch, and upwards

SLATING AND ROOFING WIRE NAILS.

Length, inches $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$
 Price per hundred pounds 86 50 6 00 5 50 5 25

Add 4 cents per pound to list price for Tinning.

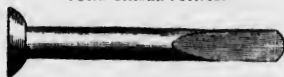
EAVE TROUGH OR GUTTER SPIKES—WIRE.



DIAMETER.	LENGTH.											
	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	$6\frac{1}{2}$	7	$7\frac{1}{2}$	8	$8\frac{1}{2}$	9	$9\frac{1}{2}$	10
No. 3	6	6	6	6	6	6	6	6	6	6	6	6
" 4	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$
" 5	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$	$6\frac{3}{4}$

COUNTERSUNK WAGON BOX AND HINGE NAILS.

LONG CHISEL POINTS.



LENGTH.	WIRE.										
	$\frac{1}{4}$	$\frac{1}{2}$	1	2	3	4	5	6	7	8	9
1 inch						14	$14\frac{1}{2}$	15	16	17	18
$1\frac{1}{8}$ "					$13\frac{1}{2}$	$13\frac{1}{2}$	14	$14\frac{1}{2}$	$15\frac{1}{2}$	$16\frac{1}{2}$	17
$1\frac{1}{4}$ "					$13\frac{1}{2}$	$13\frac{1}{2}$	13	14	15	16	17
$1\frac{1}{2}$ "	11	11	$11\frac{1}{2}$	$11\frac{1}{2}$	12	13	13	$13\frac{1}{2}$	14	15	16
2 "	11	11	$11\frac{1}{2}$	$11\frac{1}{2}$	12	13	13	$13\frac{1}{2}$	$14\frac{1}{2}$	$15\frac{1}{2}$	$16\frac{1}{2}$
$2\frac{1}{8}$ "	11	11	$11\frac{1}{2}$	$11\frac{1}{2}$	12	$12\frac{1}{2}$	$12\frac{1}{2}$	13	14	15	16
$2\frac{1}{4}$ "	11	11	$11\frac{1}{2}$	$11\frac{1}{2}$	12	$12\frac{1}{2}$	$12\frac{1}{2}$	13	14	15	16
$2\frac{1}{2}$ "	11	11	$11\frac{1}{2}$	$11\frac{1}{2}$	12	$12\frac{1}{2}$	$12\frac{1}{2}$	13	14	15	16
3 "	$10\frac{1}{2}$	$10\frac{1}{2}$	11	11	$11\frac{1}{2}$	12	$12\frac{1}{2}$	13	14	15	$15\frac{1}{2}$
$3\frac{1}{8}$ "	$10\frac{1}{2}$	$10\frac{1}{2}$	11	11	$11\frac{1}{2}$	12	$12\frac{1}{2}$	13	14	15	$15\frac{1}{2}$
$3\frac{1}{4}$ "	$10\frac{1}{2}$	$10\frac{1}{2}$	11	11	$11\frac{1}{2}$	12	$12\frac{1}{2}$	13	14	15	$15\frac{1}{2}$
$3\frac{1}{2}$ "	$10\frac{1}{2}$	$10\frac{1}{2}$	11	11	$11\frac{1}{2}$	12	$12\frac{1}{2}$	13	14	15	$15\frac{1}{2}$
4 "	10	10	11	11	$11\frac{1}{2}$	12	$12\frac{1}{2}$	13	14	15	$15\frac{1}{2}$
$4\frac{1}{8}$ "	10	10	11	11	$11\frac{1}{2}$	12	$12\frac{1}{2}$	13	14	15	
$4\frac{1}{4}$ "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
$4\frac{1}{2}$ "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
$5\frac{1}{8}$ "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
$5\frac{1}{4}$ "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
$5\frac{1}{2}$ "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
6 "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
$6\frac{1}{8}$ "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
$6\frac{1}{4}$ "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
$6\frac{1}{2}$ "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
7 "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	
$7\frac{1}{8}$ "	9	9	10	10	11	12	$12\frac{1}{2}$	13	14	15	

STEEL AND IRON WIRE NAIL AND BRAD LIST

Price Per Pound, any Style Head.



3-16 inch. No. 20 \$1 00 21 1 10 22 1 30	5-8 inch. No. 9 \$0 22 10 22 11 22 12 24 13 26 14 28 15 30 16 31 17 33 18 35 19 40 20 45 21 55 22 65	1 inch. No. 7 \$0 19 8 19 9 19 10 19 11 19 12 20 13 21 14 21 15 22 16 23 17 25 18 27 19 32 20 38 21 60	1 1/8 inch. No. 4 \$0 16 5 16 6 16 7 16 8 16 9 16 10 16 11 16 12 16 13 16 14 17 15 18 16 20 17 22 18 24 19 32	2 inch. No. 3 \$0 13 4 13 5 13 6 13 7 13 8 13 9 13 10 14 11 14 12 14 13 15 14 15 15 20 16 22 17 26 18 28	2 1/2 inch. No. 3 \$0 12 4 12 5 12 6 12 7 12 8 12 9 12 10 12 11 12 12 15 13 16 14 18	4 inch. No. 3 \$0 12 4 12 5 12 6 12 7 11 8 11 9 11 10 12 11 13
1-4 inch. No. 15 \$0 42 16 45 17 47 18 50 19 58 20 80 21 95 22 1 05	3-4 inch. No. 8 \$0 21 9 21 10 21 11 21 12 22 13 24 14 25 15 26 16 26 17 28 18 30 19 35 20 40 21 50 22 70	1 1/2 inch. No. 6 \$0 18 7 18 8 18 9 18 10 18 11 18 12 19 13 20 14 21 15 21 16 22 17 24 18 26 19 31 20 39	1 3/4 inch. No. 4 \$0 15 5 15 6 15 7 15 8 15 9 15 10 15 11 15 12 15 13 15 14 16 15 18 16 20 17 22 18 24 19 33	2 1/2 inch. No. 3 \$0 13 4 13 5 13 6 13 7 13 8 13 9 13 10 13 11 13 12 14 13 16 14 18 15 20 16 24	3 inch. No. 3 \$0 12 4 12 5 12 6 11 7 11 8 11 9 11 10 12 11 12 12 15 13 16 14 18	4 1/2 inch. No. 3 \$0 11 4 11 5 11 6 12 7 12 8 12 9 12 10 12
3-8 inch. No. 10 \$0 27 11 27 12 30 13 32 14 35 15 38 16 40 17 42 18 45 19 50 20 65 21 75 22 85	1-2 inch. No. 10 \$0 24 11 24 12 26 13 28 14 31 15 34 16 35 17 37 18 40 19 45 20 55 21 65 22 70	7-8 inch. No. 8 \$0 20 9 20 10 20 11 20 12 21 13 22 14 22 15 23 16 24 17 26 18 28 19 33 20 40 21 55	1 1/2 inch. No. 5 \$0 17 6 17 7 17 8 17 9 17 10 17 11 17 12 17 13 18 14 19 15 19 16 21 17 23 18 25 19 31 20 40	2 1/2 inch. No. 3 \$0 12 4 12 5 12 6 12 7 12 8 12 9 12 10 13 11 13 12 15 13 16 14 18 15 20 16 24	3 1/2 inch. No. 3 \$0 12 4 12 5 12 6 11 7 11 8 11 9 11 10 12 11 13 12 15	5 inch. No. 3 \$0 11 4 11 5 11 6 12 7 12 8 12 9 12 10 12
1-2 inch. No. 10 \$0 24 11 24 12 26 13 28 14 31 15 34 16 35 17 37 18 40 19 45 20 55 21 65 22 70	7-8 inch. No. 8 \$0 20 9 20 10 20 11 20 12 21 13 22 14 22 15 23 16 24 17 26 18 28 19 33 20 40 21 55	1 1/2 inch. No. 5 \$0 17 6 17 7 17 8 17 9 17 10 17 11 17 12 17 13 18 14 19 15 19 16 21 17 23 18 25 19 31 20 40	1 3/4 inch. No. 4 \$0 15 5 15 6 15 7 15 8 15 9 15 10 15 11 15 12 15 13 15 14 16 15 18 16 20 17 22 18 24 19 33	2 1/2 inch. No. 3 \$0 12 4 12 5 12 6 12 7 12 8 12 9 12 10 13 11 13 12 15 13 16 14 18 15 20 16 24	3 1/2 inch. No. 3 \$0 12 4 12 5 12 6 11 7 11 8 11 9 11 10 12 11 13 12 15	5 1/2 inch. No. 3 \$0 11 4 11 5 11 6 12 7 12 8 12
1-2 inch. No. 10 \$0 24 11 24 12 26 13 28 14 31 15 34 16 35 17 37 18 40 19 45 20 55 21 65 22 70	7-8 inch. No. 8 \$0 20 9 20 10 20 11 20 12 21 13 22 14 22 15 23 16 24 17 26 18 28 19 33 20 40 21 55	1 1/2 inch. No. 5 \$0 17 6 17 7 17 8 17 9 17 10 17 11 17 12 17 13 18 14 19 15 19 16 21 17 23 18 25 19 31 20 40	1 3/4 inch. No. 4 \$0 15 5 15 6 15 7 15 8 15 9 15 10 15 11 15 12 15 13 15 14 16 15 18 16 20 17 22 18 24 19 33	2 1/2 inch. No. 3 \$0 12 4 12 5 12 6 12 7 12 8 12 9 12 10 13 11 13 12 15 13 16 14 18 15 20 16 24	3 1/2 inch. No. 3 \$0 12 4 12 5 12 6 11 7 11 8 11 9 11 10 12 11 13 12 15	6 inch. No. 3 \$0 11 4 11 5 11 6 12 7 12 8 12

For Barbed (Pat.) 1 cent per lb. advance on List.

" Special Heads, 1 cent " " "

" Special Points, 1 cent " " "

" Nails combining all three above specialties, 3c. per lb. advance

" Tinning or Galvanizing, 50 per cent advance on List. [on List.

" Nails in 1/4 lb. packages, add 1 cent NET per lb.

" Nails in 1/2 lb. packages, add 2 cents NET per lb.

DISCOUNTS TO APPLY ON THE WIRE NAIL LIST.

Wire and Large Head Slate Nails	per cent.
Hard Steel Moulding Nails	"
Hard Steel Finishing Brads	"
Lock Nails	"
Barbed Nails	"

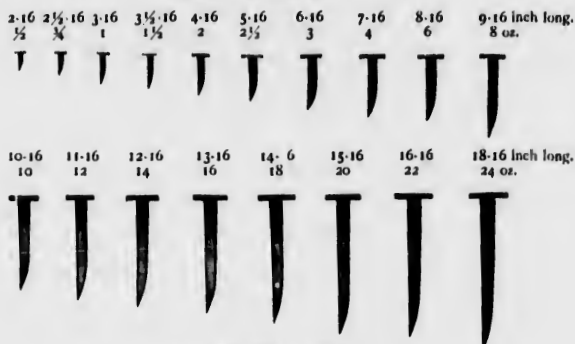
HARDWARE LIST

PECK, BENNY & CO.,

MANUFACTURERS OF

IRON, CUT NAILS, CLINCH AND PATENT PRESSED NAILS, HORSE SHOE NAILS, HORSE SHOES, SHIP AND RAILWAY SPIKES, TACKS, BRADS, SHOE AND WIRE NAILS.

CUT TACKS.



PRICE PER DOZEN PAPERS.

B B B CUT TACKS.

	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	22	24 oz.
Full Weight,	60	60	60	62	66	72	88	102	116	130	146	160	176	190	206	220 cts.
Half Weight,	30	33	30	31	33	36	44	51	58	65	73	80	88	95	103	110 cts.

SWEDES IRON AND UPHOLSTERERS' TACKS.

	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	22	24 oz.
Full Weight,	70	70	70	70	70	80	90	100	122	142	162	182	202	222	242	262	282	302 cts.
Half Weight,	35	35	35	35	35	40	45	50	61	71	81	91	101	111	121	131	141	151 cts.

TINNED SWEDES TACKS.

	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	22	24 oz.
Half Weight,	58	58	58	64	70	82	93	104	121	132	150	172	190	207	225	242 cts.

TINNED B B B CUT TACKS.

	4	6	8	10	12	14	16 oz.
Half Weight,	68	76	83	98	106	122	141 cts.

IN BULK AND IN POUND PAPERS.

B B B CUT TACKS.

1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	22	24 oz.
60	42	40	32	26	24	19 1/2	17	15 1/2	14 1/2	14	13 1/2	13	12 1/2	12 1/2	12 1/2 cts. per lb.

SWEDES IRON UPHOLSTERERS', MINERS', PAIL, CARPET TACKS.

NOT GIMP, LACE, &c.

1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	22	24 oz.
70	50	45	40	36	32	27	24	22	20	19	18 1/2	18	17 1/2	17	17 cts. per lb.

TINNED TACKS.

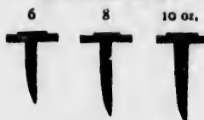
ALL KINDS, EXCEPTING GIMP AND LACE.

1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	22	24 oz.
150	100	75	68	62	55	41	35	32	30	29	28	28	28	27	27 cts. per lb.

LARGE HEAD CARPET TACKS.



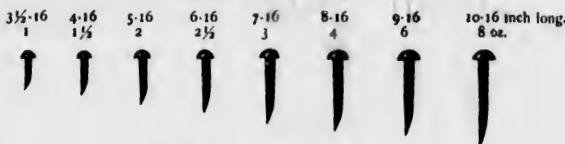
LEATHERED HEADS.



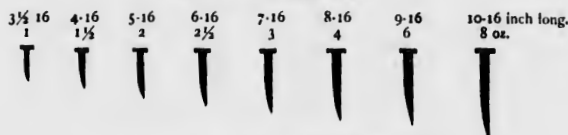
CARPET TACKS.

				4	6	8	10	12	14	16 oz.
Half Weight,	B B B Iron			36	44	51	58	65	73	80 cts.
do.	B B B Iron, Tinned			68	76	83	91	106	122	141 cts.
do.	Swedes Iron			50	61	71	81	91	101	111 cts.
do.	Swedes Iron, Tinned			82	93	104	121	132	150	172 cts.
	Leathered, 144 to paper			36	36	36	38	40 cts.		
	Leathered, 100 to paper			30	30	30	32	34 cts.		

GIMP TACKS.



LACE TACKS.



GIMP AND LACE TACKS—SWEDES IRON.

	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18 oz.
Full Weight,	36	86	100	108	122	136	158	172	202	224	244	274	302 cts.
Half Weights,	43	43	50	54	61	68	79	86	101	112	122	137	151 cts.

TINNED GIMP AND LACE.

	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18 oz.
Half Weight,	72	72	72	79	86	100	115	129	150	165	185	215	235 cts.

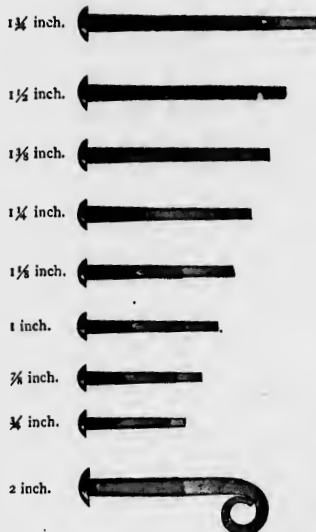
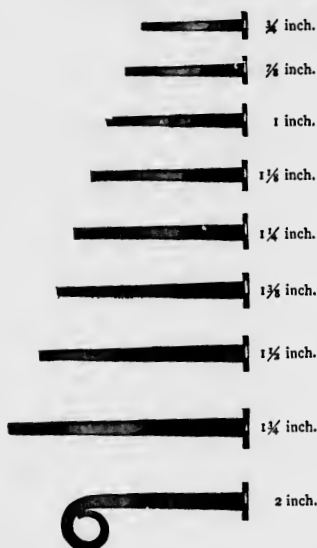
IN BULK AND IN POUND PAPERS.

GIMP AND LACE TACKS.

1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18 oz.
115	77	67	58	54	45	35	29	27	25	25	25	24 cts per lb.

TINNED GIMP AND LACE TACKS.

1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18 oz.
192	128	96	84	77	67	51	43	40	37	36	35	34 cts. per lb.

TRUNK NAILS**CLOUT NAILS****TRUNK AND CLOUT NAILS.**

$\frac{3-8}{42}$	$\frac{4-8}{30}$	$\frac{5-8}{24}$	$\frac{6-8}{20}$	$\frac{7-8}{18}$	$\frac{1}{16}$	$\frac{1 1/4}{15}$	$\frac{1 1/4}{14}$	$\frac{1 1/2}{14}$	$\frac{1 3/4}{13}$	$\frac{2 \text{ in and upwards.}}{13 \text{ cents per lb.}}$
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GERMAN CLOUT NAILS.

Same list as above.

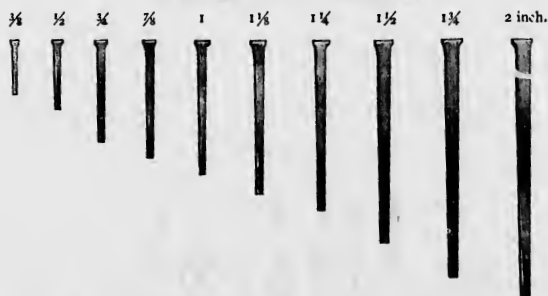
TINNED TRUNK AND CLOUT NAILS.

$\frac{3-8}{48}$	$\frac{4-8}{36}$	$\frac{5-8}{30}$	$\frac{6-8}{26}$	$\frac{7-8}{24}$	$\frac{1}{22}$	$\frac{1 1/4}{21}$	$\frac{1 1/4}{20}$	$\frac{1 1/2}{20}$	$\frac{1 3/4}{19}$	$\frac{2 \text{ in and upwards.}}{19 \text{ cents per lb.}}$
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COPPERED TRUNK AND CLOUT NAILS.

All sizes, 3-4 inch to 2 inches

66 cents per lb.

FINISHING NAILS

$\frac{3/4}{42}$	$\frac{1/2}{30}$	$\frac{3/4}{24}$	$\frac{3/4}{20}$	$\frac{3/4}{18}$	$\frac{1}{16}$	$\frac{1 1/4}{15}$	$\frac{1 1/4}{14}$	$\frac{1 1/2}{14}$	$\frac{1 3/4}{13}$	$\frac{2 \text{ in. and upwards.}}{13 \text{ cents per lb.}}$
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COPPER FINISHING NAILS.

All sizes, 3/4 inch to 2 inches

66 cents per lb.

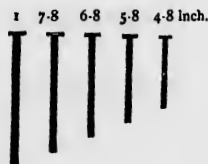
SWEDEN'S IRON MACHINE FINISHING NAILS.

$\frac{1}{20}$	$\frac{1 1/4}{19}$	$\frac{1 1/4}{18}$	$\frac{1 1/2 \text{ inches.}}{18 \text{ cents per lb.}}$
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BRUSH TACKS



CIGAR BOX NAILS



BRUSH TACKS.

4-8	4½-8	5-8	5½-8	6-8	6½-8	7-8	7½-8	8-8	9-8 inches
<u>72</u>	<u>58</u>	<u>48</u>	<u>41</u>	<u>36</u>	<u>32</u>	<u>29</u>	<u>26</u>	<u>24</u>	<u>22c</u> per lb.
All sizes, 4-8 to 1 inch									<u>18c</u> per M.

CIGAR BOX NAILS.

	4-8		5-8		6-8		7-8		8-8 inches
Full Weight,	<u>8</u>		<u>10</u>		<u>12</u>		<u>14</u>		<u>16c</u> per M.
1 lb. papers or bulk,	<u>34</u>		<u>32</u>		<u>30</u>		<u>28</u>		<u>26c</u> per lb.

BASKET NAILS



4-8	5-8	6-8	7-8	1	1½	1¾	1½ inches
<u>32</u>	<u>26</u>	<u>22</u>	<u>20</u>	<u>18</u>	<u>17</u>	<u>16</u>	<u>16c</u> per lb.

COPPER TACKS.

1	1½	2	2½	3	4 oz.
<u>130</u>	<u>144</u>	<u>158</u>	<u>180</u>	<u>202</u>	<u>244c</u> per dozen Ms.
In pound and ¼ pound papers, 4-8 to 1½ inch					<u>66c</u> per lb.

ZINC TACKS, IN 1 POUND PAPERS.

4-8	5-8	6-8	7-8	1	1½	1½ inches.
<u>30</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>30c</u> per lb.

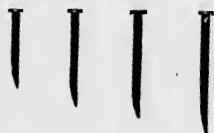
CHAIR NAILS



	4-8	5-8	6-8	7-8	8-8	9-8	10-8 inches
Full Weight,	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>18</u>	<u>19</u>	<u>20c</u> per M.
Pound papers or bulk,	<u>34</u>	<u>30</u>	<u>28</u>	<u>26</u>	<u>24</u>	<u>22</u>	<u>20c</u> per lb.

LOOKING GLASS TACKS.

4-8 5-8 6-8 7-8 inch.



LOOKING GLASS TACKS.

All sizes

Per M., 9 cents; per lb., 36 cents.

PICTURE FRAME POINTS.

4-8 5-8 6-8 7-8 inch.



PICTURE FRAME POINTS.

All sizes

Per lb., 10 cents.

HAME NAILS.

6-8 7-8 1 inch.



All sizes

lb. papers, 19 cents per lb.

CHEESE BOX TACKS.

IN BULK, PUT UP IN 25 AND 50 LB. BOXES.

6 8 10 14 oz.



CHEESE BOX TACKS, OVAL OR FLAT HEADS.

4-8	4½-8	5-8	5½-8	6-8	7-8 inch.
27	24	22	20	19	18 cents per lb.

BLACK TRUNK TACKS.

4-8	4½-8	5-8	5½-8	6-8	7-8 inch.
24½	21½	20½	18½	17½	16½ cents per lb.

TINNED TRUNK TACKS.

4-8	4½-8	5-8	5½-8	6-8	7-8 inch.
35	29½	27	25½	24½	23½ cents per lb.

The foregoing Hardware List is subject to a discount of

in stock and made to order.

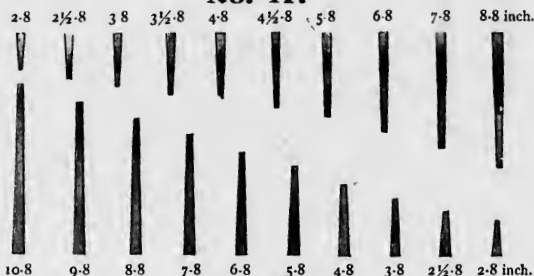
COPPER WIRE BOAT NAILS, TINNED BROOM TACKS, TEA CHEST NAILS, ETC.

Any of the above kinds Tinned, not specified, 6 cents per pound advance on List. If any of the above are furnished at different weights from those specified, the prices will be in proportion to the above List. Any size or shape of Nails, Tacks, &c., made to order from samples.

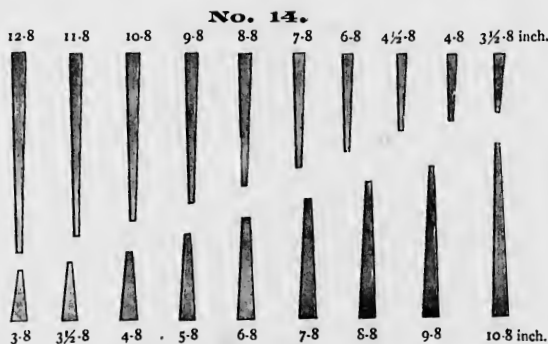
SHOE FINDERS' LIST

SHOE NAILS.

No. 17.



No. 16.



No. 11.

Iron Shoe Nails
Soft Steel Shoe Nails
Swedes Iron Shoe Nails
Zinc Shoe Nails

7 1/2 cents per lb.
9 1/2 " "
11 " "
13 1/2 " "

BIGELOW MACHINE NAILS.

9-8

9 1/4-8

10-8

10 1/2-8 inch.

COUNTERSUNK SHANK NAILS.

DIAMOND HEAD SHANK NAILS.

3 1/2-8 4-8 4 1/2-8 5-8

6-8 7-8 inch.

3 1/2-8 4-8 4 1/2-8 5-8 inch.

Zinc Countersunk Shank Nails, all sizes
Zinc Diamond Head

19 cents per lb.
27 " "

HARD STEEL SHOE NAILS.

All Sizes

24 cents per lb., in 1 lb. papers.

4-8 inch and shorter

5-8 inch

6-8 inch and longer

37

43 1/2

52 cents per M.

Copper and Brass Shoe Nails

45 cents.

IRON GIMP NAILS.

2 1/2-8

3-8

3 1/2-8

4-8

4 1/2-8

5-8

5 1/2-8

6-8 inch

65

46

40 1/2

32 1/2

29 1/4

27

24

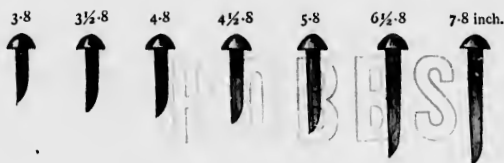
21 1/2 cents per lb.

COPPER GIMP NAILS.

Copper Gimp Nails

68 cents per lb.

ROUND HEAD HUNGARIAN NAILS



B B B HUNGARIAN NAILS.

2-8 and 2 1/2-8 inch
15

3-8 and 3 1/2-8 inch
13

4-8 inch and longer.
12 cents per lb.

SWEDES IRON HUNGARIAN NAILS.

2-8 and 2 1/2-8 inch
16

3-8 and 3 1/2-8 inch
15 1/4

4-8 inch and longer.
14 1/2 cents per lb

MINERS' TACKS.

3-8 inch
21

3 1/2-8 inch
18

4-8 inch and longer.
16 cents per lb.

COUNTERSUNK SWEDES NAILS.

3-8
20

3 1/2-8
24 1/4

4-8 and 4 1/2-8
21 1/4

5-8 and 5 1/2-8
20 1/4

6-8
19

7-8
17 1/2

8-8 inch and longer.
16 cents per lb.

HOB NAILS, SWEDES IRON.

All sizes

14 cents per lb., in 1 lb. papers

SHOE TACKS



1-2 oz.
81 00
3 1/4

3-4 oz.
60
3 1/4

1 oz.
41
3 1/4

1 1/2 oz.
26
3 1/4

2 oz.
22
4

2 1/2 oz.
20
4 1/2

3 oz.
19
4 3/4

4 oz.
19 cents per lb.
4 3/4 per m.

CHANNEL NAILS.

2 1/2-8 inch
65

3-8 inch
38

3 1/2-8 inch
33

4-8 inch
23

4 1/2-8 inch
23

5-8 inch and longer.
21 cents per lb.

HEEL PLATE NAILS.

Heel Plate Nails

12 cents per lb.

The foregoing Shoe Finders' List is subject to a discount of

per cent.

Any of the above kinds Tinned, not specified, 5 cents per pound advance. Any variation from the regular size or shape made from samples to order.

IRON WIRE SHOE RIVETS.

SLOT HEAD WIRE NAILS.

IMPROVED BRASS SHOE NAILS.

In ordering "Brass Wire Shoe Rivets," "Improved Brass Shoe Nails," or "Ordinary Brass Shoe Nails," please be particular to name in full what is required.

OVAL LINING NAILS.

Silver or Japanned, 2½ to 12 oz., 75 to paper	4 cents per paper
Silver or Japanned, 14 to 24 oz., 75 to paper	5 cents per paper
Silver or Japanned, 2½ to 12 oz., 100 to paper	5 cents per paper
Silver or Japanned, 14 to 24 oz., 100 to paper	6 cents per paper

SADDLE NAILS.

FLAT OR OVAL, SILVER OR JAPANNED.				100 to Paper.	75 to Paper.
No. 1	3 to 12 oz.	-	-	7 cents,	5½ cents per paper
No. 1	14 to 24 oz.	-	-	8 cents,	5½ cents per paper
No. 1	3 to 16 oz.	-	-	-	5½ cents per paper
No. 2	8 to 24 oz.	-	-	8 cents,	6½ cents per paper
No. 3	12 oz. to 1½ inch	-	-	10 cents,	8 cents per paper
No. 4	16 oz. to 1½ inch	-	-	12 cents,	9½ cents per paper
No. 5	16 oz. to 1½ inch	-	-	14 cents,	11 cents per paper
No. 6	16 oz. to 1½ inch	-	-	16 cents,	13 cents per paper

TUFTING BUTTONS.

Japanned and Silver, 18, 20 and 22 line	82 50	per great gross
Japanned and Silver, 24 line	2 90	per great gross
Japanned and Silver, 26 and 27 line	3 50	per great gross
Colors, all sizes	3 50	per great gross
Japanned and Silver, 20 and 22 line, 100 in each paper	1 88	per doz. papers

TIN CAPPED TRUNK NAILS.

1-2	3-4 and 7-8	1 and 1 1-8	1 1-4	1 1-2 and longer
<u>23</u>	<u>21</u>	<u>17</u>	<u>16</u>	<u>15 cents per lb.</u>

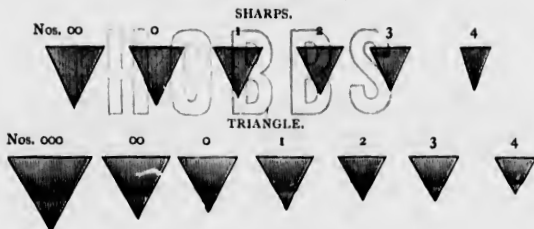
TRUNK RIVETS.

1 1/8 inch and longer	17 cents per gross
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TIN TIPPED TRUNK RIVETS.

[illegible]

GLAZIERS' POINTS



Tin, all sizes IN HALF POUND PAPERS. Zinc, all sizes 8 cents per paper Iron, all sizes 7 cents per paper. 9 cents per paper

DOUBLE POINTED STEEL CARPET TACKS



No. 9	Per Box, \$0 10	Per Case, \$14 40	No. 11	Per Box, \$0 10	Per Case, \$14 40
No. 10	Per Box, 0 10	Per Case, 14 40	No. 12	Per Box, 0 12	Per Case, 17 28
No. 14	Per Box, \$0 15	Per Case, \$21 00			

These tacks being made of Tempered Steel Wire, can be used several times, as they can be easily taken up without damage. There is less danger of tearing the carpets and a less number required than with the old tack. Put up in cases containing 12 packages, each package containing 12 boxes.

STEEL WIRE STAPLES

BARBED BLIND STAPLES.



$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ inch long.
24	20	20	20 cents per pound.

BARBED BED STAPLES.



$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	1 inch long.
15	15	15	15 cents per pound.

Made of the best Coppered Steel Wire. Put up in 10, 50 and 100 pound boxes.

GALVANIZED STEEL FENCE STAPLES.

FLAT COPPERED STEEL STAPLES.



BARREL AND BOX STAPLES.



$\frac{3}{4}$ inch long, made of No. 14 Coppered Steel Wire, 12 cents per pound. Put up in 50 and 100 pound boxes.

1 to $1\frac{1}{4}$ inches long, 20 cents per pound. Put up in 1 pound packages or 10 pound boxes.

$1\frac{1}{4}$ to 2 inches long, made of Nos. 8 and 9 Wire, 8 cents per pound. 1 and $1\frac{1}{4}$ inches long, made of No. 12 Wire, 12 $\frac{1}{2}$ cents per pound. Put up in 50 and 100 pound boxes.

PATENT IRON WOOD SCREWS



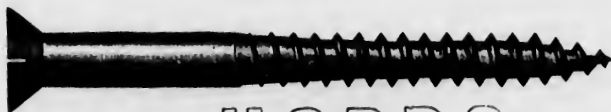
PRICE PER GROSS.

$\frac{1}{4}$ inch.	$\frac{3}{8}$ inch.	$\frac{1}{2}$ inch.	$\frac{5}{8}$ inch.	$\frac{3}{4}$ inch.	$\frac{7}{8}$ inch.	1 inch.
No. \$	No. \$	No. \$	No. \$	No. \$	No. \$	No. \$
0 at .14	1 at .14	2 at .14	2 at .16	4 at .17	4 at .21	4 at .21
1 " .14	2 " .14	3 " .14	3 " .16	5 " .19	5 " .22	5 " .22
2 " .14	3 " .14	4 " .14	4 " .16	6 " .20	6 " .23	6 " .23
3 " .14	4 " .14	5 " .15	5 " .17	7 " .22	7 " .24	7 " .24
4 " .14	5 " .15	6 " .16	6 " .19	8 " .23	8 " .25	8 " .25
	6 " .16	7 " .19	7 " .20	9 " .24	9 " .26	9 " .26
	7 " .19	8 " .20	8 " .22	10 " .25	10 " .28	10 " .28
	8 " .20	9 " .22	9 " .23	11 " .28	11 " .31	11 " .31
	9 " .22	10 " .23	10 " .25	12 " .29	12 " .34	12 " .34
	10 " .23	11 " .25	11 " .27	13 " .34	13 " .37	13 " .37
		12 " .27	12 " .28	14 " .37	14 " .40	14 " .40
			13 " .33	15 " .42	15 " .45	15 " .45
				16 " .46	16 " .52	16 " .52
$1\frac{1}{4}$ inch.	$1\frac{1}{2}$ inch.	$1\frac{3}{4}$ inch.	2 inch.	$2\frac{1}{4}$ inch.	$2\frac{1}{2}$ inch.	$2\frac{3}{4}$ inch.
No. \$	No. \$	No. \$	No. \$	No. \$	No. \$	No. \$
5 at .26	6 at .30	7 at .38	8 at .40	9 at .48	10 at .54	11 at .67
6 " .27	7 " .31	8 " .38	9 " .42	10 " .50	11 " .60	12 " .74
7 " .28	8 " .33	9 " .39	10 " .43	11 " .53	12 " .67	13 " .80
8 " .29	9 " .34	10 " .40	11 " .47	12 " .60	13 " .73	14 " .88
9 " .31	10 " .35	11 " .43	12 " .53	13 " .67	14 " .80	15 " .95
10 " .34	11 " .38	12 " .47	13 " .60	14 " .73	15 " .88	16 " 1.03
11 " .35	12 " .42	13 " .54	14 " .67	15 " .80	16 " .95	18 " 1.30
12 " .38	13 " .47	14 " .60	15 " .73	16 " .88	18 " 1.10	20 " 1.50
13 " .42	14 " .54	15 " .67	16 " .80	18 " 1.03	20 " 1.27	22 " 1.73
14 " .47	15 " .60	16 " .73	18 " .95	20 " 1.18	22 " 1.47	24 " 2.07
15 " .54	16 " .67	18 " .88	20 " 1.10	22 " 1.37	24 " 1.74	
16 " .60	18 " .80	20 " 1.03	22 " 1.27	24 " 1.64	26 " 2.10	
18 " .72	20 " .95	22 " 1.20	24 " 1.44			
20 " .90	22 " 1.10	24 " 1.33				
3 inch.	$3\frac{1}{2}$ inch.	4 inch.	$4\frac{1}{2}$ inch.	5 inch.	6 inch.	
No. \$	No. \$	No. \$	No. \$	No. \$	No. \$	
10 at .67	16 at 1.43	18 at 1.97	18 at 2.50	20 at 3.10	24 at 5.30	
12 " .80	18 " 1.80	20 " 2.30	20 " 2.75	22 " 3.60	26 " 6.15	
14 " .95	20 " 2.13	22 " 2.60	22 " 3.25	24 " 4.00	28 " 7.50	
15 " 1.03	22 " 2.47	24 " 2.87	24 " 3.75	26 " 4.40	30 " 9.00	
16 " 1.17	24 " 2.73	26 " 3.30	26 " 4.00			
18 " 1.45	26 " 3.10					
20 " 1.72						
22 " 2.03						
24 " 2.34						
26 " 2.70						

The number of Gross in a Bundle is indicated by small figures on the side, divided by a star ().

Round Head Screws are charged one size in advance; Blued Screws, two sizes in advance.

PATENT BRASS WOOD SCREWS



PRICE PER GROSS

HOBBS

$\frac{1}{4}$ inch.	$\frac{3}{8}$ inch.	$\frac{1}{2}$ inch.	$\frac{5}{8}$ inch.	$\frac{3}{4}$ inch.	$\frac{7}{8}$ inch.	1 inch.
No. \$	No. \$	No. \$	No. \$	No. \$	No. \$	No. \$
0 at .30	1 at .30	1 at .30	2 at .34	4 at .37	4 at .55	4 at .55
1 " .30	2 " .30	2 " .30	3 " .34	5 " .40	5 " .55	5 " .55
2 " .30	3 " .30	3 " .30	4 " .34	6 " .45	6 " .55	6 " .55
3 " .30	4 " .30	4 " .30	5 " .37	7 " .50	7 " .60	7 " .60
	5 " .32	5 " .32	6 " .40	8 " .54	8 " .67	8 " .67
	6 " .35	6 " .35	7 " .45	9 " .60	9 " .74	9 " .74
	7 " .40	7 " .40	8 " .49	10 " .67	10 " .82	10 " .82
		8 " .45	9 " .54	11 " .77	11 " .90	11 " .90
		9 " .50	10 " .60	12 " .87	12 " 1.00	12 " 1.00
		10 " .55	11 " .67	13 " .97	13 " 1.12	13 " 1.12
			12 " .74	14 " 1.20	14 " 1.25	14 " 1.25
				15 " 1.40	15 " 1.40	15 " 1.40
				16 " 1.57	16 " 1.57	16 " 1.57
$1\frac{1}{4}$ inch.	$1\frac{1}{2}$ inch.	$1\frac{3}{4}$ inch.	2 inch.	$2\frac{1}{4}$ inch.	$2\frac{1}{2}$ inch.	3 inch.
No. \$	No. \$	No. \$	No. \$	No. \$	No. \$	No. \$
6 at .65	7 at .94	9 at 1.19	9 at 1.49	10 at 1.65	11 at 1.90	14 at 3.12
7 " .72	8 " .99	10 " 1.32	10 " 1.49	11 " 1.82	12 " 2.00	15 " 3.40
8 " .80	9 " 1.04	11 " 1.45	11 " 1.64	12 " 2.00	13 " 2.17	16 " 3.70
9 " .89	10 " 1.15	12 " 1.60	12 " 1.80	13 " 2.20	14 " 2.65	18 " 4.40
10 " .99	11 " 1.27	13 " 1.77	13 " 2.00	14 " 2.42	15 " 2.90	20 " 5.17
11 " 1.09	12 " 1.40	14 " 1.95	14 " 2.19	15 " 2.65	16 " 3.17	22 " 6.00
12 " 1.20	13 " 1.55	15 " 2.15	15 " 2.40	16 " 2.90	18 " 3.80	24 " 6.94
13 " 1.34	14 " 1.72	16 " 2.37	16 " 2.64	18 " 3.50	20 " 4.50	26 " 8.00
14 " 1.49	15 " 1.90	18 " 2.90	18 " 3.20	20 " 4.17	22 " 5.30	28 " 10.00
15 " 1.65	16 " 2.10	20 " 3.50	20 " 3.84	22 " 4.92	24 " 6.14	30 " 12.00
16 " 1.84	18 " 2.60	22 " 4.19	22 " 4.55	24 " 5.74	26 " 7.20	
18 " 2.30	20 " 3.17	24 " 4.95	24 " 5.34	26 " 6.80	28 " 8.80	
20 " 2.84						

* The number of Gross in a bundle is indicated by small figures on the side, divided by a star (*).

Round Head Screws are charged one size in advance.

BURNISHING.

ROUND, OVAL, OR FLAT HEAD SCREWS.

Cents,	14,	16,	20,	24,	28,	35,	42,	49,	62,	75,	85,	95,	105,	120,	150,
No.	0 to 9,	10,	11,	12,	13,	14,	15,	16,	18,	20,	22,	24,	26,	28,	30.

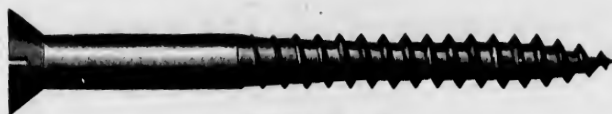
BURNISHING.

ROUND, OVAL, OR FLAT HEAD SCREWS.

Cents,	6,	7,	8,	9,	10,	12,	14,	17,	20,	24,	29,	35,	42,	50,	60,
No.	0 to 9,	10,	11,	12,	13,	14,	15,	16,	18,	20,	22,	24,	26,	28,	30,

SILVER CAPPED WOOD SCREWS

ON IRON.



PRICE PER GROSS.

$\frac{1}{2}$ inch.	$\frac{3}{8}$ inch.	$\frac{3}{4}$ inch.	$\frac{7}{8}$ inch.	1 inch.	$1\frac{1}{4}$ inch.	$1\frac{1}{2}$ inch.
No. \$	No. \$	No. \$	No. \$	No. \$	No. \$	No. \$
4 at .84	4 at .88	4 at .90	6 at 1.21	6 at 1.27	6 at 1.50	7 at 1.88
5 " .93	5 " .98	5 " 1.04	7 " 1.34	7 " 1.40	7 " 1.55	8 " 1.94
6 " 1.07	6 " 1.13	6 " 1.16	8 " 1.47	8 " 1.53	8 " 1.65	9 " 2.05
7 " 1.20	7 " 1.25	7 " 1.30	9 " 1.61	9 " 1.68	9 " 1.80	10 " 2.15
8 " 1.35	8 " 1.40	8 " 1.44	10 " 1.69	10 " 1.75	10 " 1.95	11 " 2.38
9 " 1.50	9 " 1.55	9 " 1.57	11 " 1.85	11 " 1.94	11 " 2.10	12 " 2.50
10 " 1.60	10 " 1.63	10 " 1.65	12 " 2.00	12 " 2.10	12 " 2.25	13 " 2.85
	11 " 1.80	11 " 1.82	13 " 2.35	13 " 2.45	13 " 2.60	14 " 3.15
	12 " 1.90	12 " 1.95	14 " 2.50	14 " 2.70	14 " 2.80	15 " 3.50
$1\frac{3}{4}$ inch.	2 inch.		15 " 2.75	15 " 2.95	15 " 3.24	16 " 3.90
No. \$			16 " 3.10	16 " 3.35	16 " 3.68	17 " 4.40
7 at 2.15	No. \$	$2\frac{1}{4}$ inch.			17 " 4.00	18 " 4.80
8 " 2.20			$2\frac{1}{2}$ inch.		18 " 4.40	20 " 5.85
9 " 2.30	9 at 2.40					
10 " 2.40	10 " 2.50	No. \$	No. \$			
11 " 2.55	11 " 2.70	10 at 2.85	10 at 3.45			
12 " 2.80	12 " 3.00	11 " 3.00	11 " 3.55			
13 " 3.12	13 " 3.45	12 " 3.25	12 " 3.65	$2\frac{3}{4}$ inch.	3 inch.	
14 " 3.45	14 " 3.75	13 " 3.75	13 " 4.00			
15 " 3.80	15 " 4.05	14 " 4.00	14 " 4.25	No. \$	No. \$	
16 " 4.10	16 " 4.40	15 " 4.30	15 " 4.75	14 at 4.60	14 at 5.00	
17 " 4.60	17 " 5.00	16 " 4.80	16 " 5.10	16 " 5.40	16 " 6.10	
18 " 5.10	18 " 5.40	17 " 5.20	17 " 5.55	18 " 6.55	18 " 7.55	
20 " 6.05	20 " 6.50	18 " 5.70	18 " 6.10	20 " 8.15	20 " 9.15	
		20 " 6.75	20 " 7.30			

COFFIN HANDLE SCREWS

SILVER PLATED.

ROUND AND OVAL HEAD.

$\frac{1}{2}$ inch.	$\frac{3}{8}$ inch.	$\frac{3}{4}$ inch.	$\frac{7}{8}$ inch.	1 inch.	$1\frac{1}{4}$ inch.	$1\frac{1}{2}$ inch.
No. \$	No. \$	No. \$	No. \$	No. \$	No. \$	No. \$
4 at .56	4 at .61	5 at .66	7 at .75	7 at .82	8 at 1.00	9 at 1.26
5 " .58	5 " .62	6 " .69	8 " .79	8 " .88	9 " 1.10	10 " 1.34
6 " .60	6 " .65	7 " .72	9 " .90	9 " 1.00	10 " 1.23	
	7 " .67	8 " .75	10 " 1.06	10 " 1.14		
	8 " .70	9 " .83				
	9 " .76					

Other sizes furnished to order.

NICKEL PLATED IRON WOOD SCREWS



PRICE PER GROSS.

$\frac{1}{2}$ inch.		$\frac{3}{8}$ inch.		$\frac{1}{4}$ inch.		$\frac{7}{16}$ inch.		1 inch.	
No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
4	1.02	4	1.04	4	1.05	6	1.11	6	1.11
5	1.03	5	1.05	5	1.07	7	1.12	7	1.12
6	1.04	6	1.07	6	1.08	8	1.13	8	1.13
7	1.07	7	1.08	7	1.10	9	1.14	9	1.14
8	1.08	8	1.10	8	1.11	10	1.16	10	1.16
9	1.10	9	1.11	9	1.12	11	1.19	11	1.19
10	1.11	10	1.13	10	1.13	12	1.22	12	1.22
				11	1.16	13	1.25	13	1.25
				12	1.17	14	1.28	14	1.28
				13	1.22	15	1.33	15	1.33
				14	1.25	16	1.40	16	1.40
1 $\frac{1}{4}$ inch.		1 $\frac{1}{2}$ inch.		1 $\frac{3}{4}$ inch.		2 inch.		2 $\frac{1}{2}$ inch.	
No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
6	1.27	7	1.31	7	1.38	9	1.42	10	1.63
7	1.28	8	1.33	8	1.38	10	1.43	11	1.66
8	1.29	9	1.34	9	1.39	11	1.47	12	1.73
9	1.31	10	1.35	10	1.40	12	1.53	13	1.80
10	1.34	11	1.38	11	1.43	13	1.60	14	1.86
11	1.35	12	1.42	12	1.47	14	1.67	15	1.93
12	1.38	13	1.47	13	1.54	15	1.73	16	2.01
13	1.42	14	1.54	14	1.60	16	1.80	18	2.16
14	1.47	15	1.60	15	1.67	18	1.95	20	2.31
15	1.54	16	1.67	16	1.73	20	2.10		
16	1.60	18	1.80	18	1.88				
18	1.72	20	1.95	20	2.03				
2 $\frac{1}{2}$ inch.		2 $\frac{3}{4}$ inch.		3 inch.					
No.	\$	No.	\$	No.	\$				
10	1.67	14	2.01	14	2.08				
11	1.73	16	2.16	16	2.30				
12	1.80	18	2.43	18	2.58				
13	1.86	20	2.63	20	2.85				
14	1.93								
15	2.01								
16	2.08								
18	2.23								
20	2.40								

Round Head Screws are Charged one size in advance.

PATENT IRON WOOD SCREWS



APPROXIMATE WEIGHT PER GROSS.

$\frac{1}{4}$ inch.		$\frac{3}{8}$ inch.		$\frac{1}{2}$ inch.		$\frac{5}{8}$ inch.		$\frac{3}{4}$ inch.		$\frac{7}{8}$ inch.		1 inch.	
No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.
0	.0260	0	.0366	1	.0694	1	.0840	2	.1369	2	.1554	3	.2302
1	.0391	1	.0545	2	.0978	2	.1177	3	.1801	3	.2034	4	.2994
2	.0562	2	.0773	3	.1303	3	.1557	4	.2304	4	.2649	5	.3785
3	.0764	3	.1039	4	.1654	4	.1959	5	.2921	5	.3353	6	.4676
4	.0992	4	.1331	5	.2056	5	.2489	6	.3618	6	.4147	7	.5671
		5	.1677	6	.2560	6	.3089	7	.4399	7	.5035	8	.6770
		6	.2031	7	.3128	7	.3763	8	.5266	8	.6018	9	.7978
		7	.2492	8	.3762	8	.4514	9	.6221	9	.7099	10	.9295
		8	.3009	9	.4464	9	.5342	10	.7266	10	.8281	11	1.0725
		9	.3585	10	.5237	10	.6252	11	.8404	11	.9565	12	1.2270
				11	.6084	11	.7244	12	.9638	12	1.0954	13	1.3932
				12	.7006	12	.8322	13	1.0969	13	1.2451	14	1.5714
						13	.9488	14	1.2400	14	1.4057	15	1.7617
						14	1.0744	15	1.3934	15	1.5776	16	1.9647
								16	1.5574	16	1.7610	17	2.1800
												18	2.4084
												20	2.9047
1 $\frac{1}{4}$ inch.		1 $\frac{1}{2}$ inch.		1 $\frac{3}{4}$ inch.		2 inch.		2 $\frac{1}{4}$ inch.		2 $\frac{1}{2}$ inch.		2 $\frac{3}{4}$ inch.	
No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.
4	.3684	4	.4374	6	.7850	6	.8908	8	1.4292	8	1.5796	10	2.3498
5	.4649	5	.5514	7	.9485	7	1.0756	9	1.6762	9	1.8519	11	2.6970
6	.5734	6	.6792	8	1.1283	8	1.2788	10	1.9440	10	2.1469	12	3.0694
7	.6942	7	.8213	9	1.3248	9	1.5005	11	2.2329	11	2.4649	13	3.4673
8	.8275	8	.9779	10	1.5382	10	1.7411	12	2.5430	12	2.8062	14	3.8906
9	.9734	9	1.1491	11	1.7687	11	2.0008	13	2.8747	13	3.1710	15	4.3400
10	1.1324	10	1.3353	12	2.0166	12	2.2798	14	3.2280	14	3.5593	16	4.8157
11	1.3046	11	1.5367	13	2.2821	13	2.5784	15	3.6034	15	3.9717	17	5.3052
12	1.4902	12	1.7534	14	2.5653	14	2.8966	16	4.0011	16	4.4084	18	5.8460
13	1.6895	13	1.9858	15	2.8667	15	3.2350	17	4.4210	17	4.8692	20	6.9838
14	1.9027	14	2.2340	16	3.1865	16	3.5938	18	4.8638	18	5.3549	22	8.2409
15	2.1300	15	2.4984	17	3.5246	17	3.9728	20	5.8183	20	6.4010	24	9.5793
16	2.3720	16	2.7793	18	3.8816	18	4.3727	22	6.8665	22	7.5487	28	11.0607
17	2.6282	17	3.0764	20	4.6529	20	5.2356	24	8.0103	24	8.7998		
18	2.8994	18	3.3905	22	5.5022	22	6.1843						
20	3.4875	20	4.0702	24	6.4313	24	7.2208						
22	4.1378	22	4.8200										
24	4.8524	24	5.6419										
3 inch.		3 $\frac{1}{2}$ inch.		4 inch.		4 $\frac{1}{2}$ inch.		5 inch.		6 inch.			
No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.	No.	Pounds.		
10	2.5527	10	2.9585	12	4.2500	12	4.8667	18	10.2657	20	14.5590		
11	2.9291	11	3.3932	14	5.2500	14	5.9836	20	12.2282	22	17.0992		
12	3.3326	12	3.8590	16	6.0833	16	6.9628	22	14.3705	24	19.8525		
13	3.7636	13	4.3561	18	6.9614	18	7.9614	24	16.6945	26	22.8205		
14	4.2220	14	4.8846	20	7.9614	20	8.9614	26	19.2021	28	26.0054		
15	4.7084	15	5.4450	22	9.0833	22	10.2833	28	21.8952	30	29.4091		
16	5.2230	16	6.0376	24	10.2833	24	11.6667						
17	5.7656	17	6.6620	26	11.6667	26	13.3333						
18	6.3370	18	7.3192										
20	7.5665	20	8.7319										
22	8.9131	22	10.2774										
24	10.3787	24	11.9577										
26	11.9653	26	13.7745										

For weight of Brass Screws add 7½ per cent. to these weights.

COACH OR LAG SCREWS



THE LENGTH GIVEN IS THE MEASURE UNDER THE HEAD.

1-4	x	1½	2	2½	3	3½	4	4½	5	5½	6	Packed 100 in a box.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Per hundred,	\$2 70	2 90	3 10	3 30	3 50	3 70	3 90	4 10	4 30	4 50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
5-16	x	1½	2	2½	3	3½	4	4½	5	5½	6	Packed 100 in a box.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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3-8	x	1½	2	2½	3	3½	4	4½	5	5½	6	Packed 100 in a box.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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7-18	x	1½	2	2½	3	3½	4	4½	5	5½	6	7	8	9	Packed 50 in a box.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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	Per hundred,	\$4 30	4 60	4 90	5 20	5 50	5 80	6 10	6 40	6 70	7 00	7 30	7 60	7 90	8 20	8 50	8 80	9 10	9 40	9 70	10 00	10 30	10 60	10 90	11 20	11 50	11 80	12 10	12 40	12 70	13 00	13 30	13 60	13 90	14 20	14 50	14 80	15 10	15 40	15 70	16 00	16 30	16 60	16 90	17 20	17 50	17 80	18 10	18 40	18 70	19 00	19 30	19 60	19 90	20 20	20 50	20 80	21 10	21 40	21 70	22 00	22 30	22 60	22 90	23 20	23 50	23 80	24 10	24 40	24 70	25 00	25 30	25 60	25 90	26 20	26 50	26 80	27 10	27 40	27 70	28 00	28 30	28 60	28 90	29 20	29 50	29 80	30 10	30 40	30 70	31 00	31 30	31 60	31 90	32 20	32 50	32 80	33 10	33 40	33 70	34 00	34 30	34 60	34 90	35 20	35 50	35 80	36 10	36 40	36 70	37 00	37 30	37 60	37 90	38 20	38 50	38 80	39 10	39 40	39 70	40 00	40 30	40 60	40 90	41 20	41 50	41 80	42 10	42 40	42 70	43 00	43 30	43 60	43 90	44 20	44 50	44 80	45 10	45 40	45 70	46 00	46 30	46 60	46 90	47 20	47 50	47 80	48 10	48 40	48 70	49 00	49 30	49 60	49 90	50 20	50 50	50 80	51 10	51 40	51 70	52 00	52 30	52 60	52 90	53 20	53 50	53 80	54 10	54 40	54 70	55 00	55 30	55 60	55 90	56 20	56 50	56 80	57 10	57 40	57 70	58 00	58 30	58 60	58 90	59 20	59 50	59 80	60 10	60 40	60 70	61 00	61 30	61 60	61 90	62 20	62 50	62 80	63 10	63 40	63 70	64 00	64 30	64 60	64 90	65 20	65 50	65 80	66 10	66 40	66 70	67 00	67 30	67 60	67 90	68 20	68 50	68 80	69 10	69 40	69 70	70 00	70 30	70 60	70 90	71 20	71 50	71 80	72 10	72 40	72 70	73 00	73 30	73 60	73 90	74 20	74 50	74 80	75 10	75 40	75 70	76 00	76 30	76 60	76 90	77 20	77 50	77 80	78 10	78 40	78 70	79 00	79 30	79 60	79 90	80 20	80 50	80 80	81 10	81 40	81 70	82 00	82 30	82 60	82 90	83 20	83 50	83 80	84 10	84 40	84 70	85 00	85 30	85 60	85 90	86 20	86 50	86 80	87 10	87 40	87 70	88 00	88 30	88 60	88 90	89 20	89 50	89 80	90 10	90 40	90 70	91 00	91 30	91 60	91 90	92 20	92 50	92 80	93 10	93 40	93 70	94 00	94 30	94 60	94 90	95 20	95 50	95 80	96 10	96 40	96 70	97 00	97 30	97 60	97 90	98 20	98 50	98 80	99 10	99 40	99 70	100 00	100 30	100 60	100 90	101 20	101 50	101 80	102 10	102 40	102 70	103 00	103 30	103 60	103 90	104 20	104 50	104 80	105 10	105 40	105 70	106 00	106 30	106 60	106 90	107 20	107 50	107 80	108 10	108 40	108 70	109 00	109 30	109 60	109 90	110 20	110 50	110 80	111 10	111 40	111 70	112 00	112 30	112 60	112 90	113 20	113 50	113 80	114 10	114 40	114 70	115 00	115 30	115 60	115 90	116 20	116 50	116 80	117 10	117 40	117 70	118 00	118 30	118 60	118 90	119 20	119 50	119 80	120 10	120 40	120 70	121 00	121 30	121 60	121 90	122 20	122 50	122 80	123 10	123 40	123 70	124 00	124 30	124 60	124 90	125 20	125 50	125 80	126 10	126 40	126 70	127 00	127 30	127 60	127 90	128 20	128 50	128 80	129 10	129 40	129 70	130 00	130 30	130 60	130 90	131 20	131 50	131 80	132 10	132 40	132 70	133 00	133 30	133 60	133 90	134 20	134 50	134 80	135 10	135 40	135 70	136 00	136 30	136 60	136 90	137 20	137 50	137 80	138 10	138 40	138 70	139 00	139 30	139 60	139 90	140 20	140 50	140 80	141 10	141 40	141 70	142 00	142 30	142 60	142 90	143 20	143 50	143 80	144 10	144 40	144 70	145 00	145 30	145 60	145 90	146 20	146 50	146 80	147 10	147 40	147 70	148 00	148 30	148 60	148 90	149 20	149 50	149 80	150 10	150 40	150 70	151 00	151 30	151 60	151 90	152 20	152 50	152 80	153 10	153 40	153 70	154 00	154 30	154 60	154 90	155 20	155 50	155 80	156 10	156 40	156 70	157 00	157 30	157 60	157 90	158 20	158 50	158 80	159 10	159 40	159 70	160 00	160 30	160 60	160 90	161 20	161 50	161 80	162 10	162 40	162 70	163 00	163 30	163 60	163 90	164 20	164 50	164 80	165 10	165 40	165 70	166 00	166 30	166 60	166 90	167 20	167 50	167 80	168 10	168 40	168 70	169 00	169 30	169 60	169 90	170 20	170 50	170 80	171 10	171 40	171 70	172 00	172 30	172 60	172 90	173 20	173 50	173 80	174 10	174 40	174 70	175 00	175 30	175 60	175 90	176 20	176 50	176 80	177 10	177 40	177 70	178 00	178 30	178 60	178 90	179 20	179 50	179 80	180 10	180 40	180 70	181 00	181 30	181 60	181 90	182 20	182 50	182 80	183 10	183 40	183 70	184 00	184 30	184 60	184 90	185 20	185 50	185 80	186 10	186 40	186 70	187 00	187 30	187 60	187 90	188 20	188 50	188 80	189 10	189 40	189 70	190 00	190 30	190 60	190 90	191 20	191 50	191 80	192 10	192 40	192 70	193 00	193 30	193 60	193 90	194 20	194 50	194 80	195 10	195 40	195 70	196 00	196 30	196 60	196 90	197 20	197 50	197 80	198 10	198 40	198 70	199 00	199 30	199 60	199 90	200 20	200 50	200 80	201 10	201 40	201 70	202 00	202 30	202 60	202 90	203 20	203 50	203 80	204 10	204 40	204 70	205 00	205 30	205 60	205 90	206 20	206 50	206 80	207 10	207 40	207 70	208 00	208 30	208 60	208 90	209 20	209 50	209 80	210 10	210 40	210 70	211 00	211 30	211 60	211 90	212 20	212 50	212 80	213 10	213 40	213 70	214 00	214 30	214 60	214 90	215 20	215 50	215 80	216 10	216 40	216 70	217 00	217 30	217 60	217 90	218 20	218 50	218 80	219 10	219 40	219 70	220 00	220 30	220 60	220 90	221 20	221 50	221 80	222 10	222 40	222 70	223 00	223 30	223 60	223 90	224 20	224 50	224 80	225 10	225 40	225 70	226 00	226 30	226 60	226 90	227 20	227 50	227 80	228 10	228 40	228 70	229 00	229 30	229 60	229 90	230 20	230 50	230 80	231 10	231 40	231 70	232 00	232 30	232 60	232 90	233 20	233 50	233 80	234 10	234 40	234 70	235 00	235 30	235 60	235 90	236 20	236 50	236 80	237 10	237 40	237 70	238 00	238 30	238 60	238 90	239 20	239 50	239 80	240 10	240 40	240 70	241 00	241 30	241 60	241 90	242 20	242 50	242 80	243 10	243 40	243 70	244 00	244 30	244 60	244 90	245 20	245 50	245 80	246 10	246 40	246 70	247 00	247 30	247 60	247 90	248 20	248 50	248 80	249 10	249 40	249 70	250 00	250 30	250 60	250 90	251 20	251 50	251 80	252 10	252 40	252 70	253 00	253 30	253 60	253 90	254 20	254 50	254 80	255 10	255 40	255 70	256 00	256 30	256 60	256 90	257 20	257 50	257 80	258 10	258 40	258 70	259 00	259 30	259 60	259 90	260 20	260 50	260 80	261 10	261 40	261 70	262 00	262 30	262 60	262 90	263 20	263 50	263 80	264 10	264 40	264 70	265 00	265 30	265 60	265 90	266 20	266 50	266 80	267 10	267 40	267 70	268 00	268 30	268 60	268 90	269 20	269 50	269 80	270 10	270 40	270 70	271 00	271 30	271 60	271 90	272 20	272 50	272 80	273 10	273 40	273 70	274 00	274 30	274 60	274 90	275 20	275 50	275 80	276 10	276 40	276 70	277 00	277 30	277 60	277 90	278 20	278 50	278 80	279 10	279 40	279 70	280 00	280 30	280 60	280 90	281 20	281 50	281 80	282 10	282 40	282 70	283 00	283 30	283 60	283 90	284 20	284 50	284 80	285 10	285 40	285 70	286 00	286 30	286 60	286 90	287 20	287 50	287 80	288 10	288 40	288 70	289 00	289 30	289 60	289 90	290 20	290 50	290 80	291 10	291 40	291 70	292 00	292 30	292 60	292 90	293 20	293 50	293 80	294 10	294 40	294 70	295 00	295 30	295 60	295 90	296 20	296 50	296 80	297 10	297 40	297 70	298 00	298 30	298 60	298 90	299 20	299 50	299 80	300 10	300 40	300 70	301 00	301 30	301 60	301 90	302 20	302 50	302 80	303 10	303 40	303 70	304 00	304 30	304 60	304 90	305 20	305 50	305 80	306 10	306 40	306 70	307 00	307 30	307 60	307 90	308 20	308 50	308 80	309 10	309 40	309 70	310 00	310 30	310 60	310 90	311 20	311 50	311 80	312 10	312 40	312 70	313 00	313 30	313 60	313 90	314 20	314 50	314 80	315 10	315 40	315 70	316 00	316 30	316 60	316 90	317 20	317 50	317

CARRIAGE BOLTS

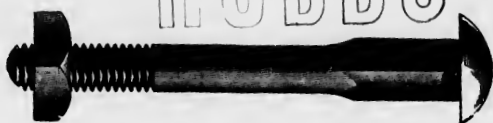


WITH FORGED NUTS, TURNED HEADS AND FINISHED POINTS.

DIAMETER.	LENGTH OF BOLT AND PRICE PER HUNDRED.											
3-16 & 1-4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	
	\$1 35	1 35	1 35	1 40	1 45	1 50	1 55	1 60	1 65	1 70	1 75	
	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4	
	\$1 80	1 85	1 90	1 95	2 00	2 05	2 10	2 15	2 20	2 25	2 30	
	6 1/2	7	7 1/4	8	8 1/4	9	9 1/4	10	10 1/4	11	12	
	\$2 35	2 45	2 55	2 65	2 75	2 85	2 95	3 05	3 15	3 25	3 45	
5-16	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	
	\$1 60	1 60	1 60	1 68	1 75	1 83	1 90	1 98	2 05	2 13	2 20	
	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4	6 1/2	7	7 1/4	
	\$2 50	2 58	2 65	2 73	2 80	2 88	2 95	3 03	3 10	3 25	3 40	
	9 1/2	10	10 1/4	11	11 1/4	12	12 1/4	13	13 1/4	14	14 1/4	
	\$4 00	4 15	4 30	4 45	4 60	4 75	4 90	5 05	5 20	5 35	5 50	
3-8	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	
	\$2 30	2 30	2 30	2 30	2 30	2 40	2 50	2 60	2 70	2 80	2 90	
	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4	6 1/2	7	7 1/4	
	\$3 30	3 40	3 50	3 60	3 70	3 80	3 90	4 00	4 10	4 30	4 50	
	9 1/2	10	10 1/4	11	11 1/4	12	12 1/4	13	13 1/4	14	14 1/4	
	\$5 30	5 50	5 70	5 90	6 10	6 30	6 50	6 70	6 90	7 10	7 30	
7-16	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	
	\$3 10	3 10	3 10	3 10	3 10	3 23	3 35	3 48	3 60	3 73	3 85	
	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4	6 1/2	7	7 1/4	
	\$4 35	4 48	4 60	4 73	4 85	4 98	5 10	5 23	5 35	5 60	5 85	
	9 1/2	10	10 1/4	11	11 1/4	12	12 1/4	13	13 1/4	14	14 1/4	
	\$6 85	7 10	7 35	7 60	7 85	8 10	8 35	8 60	8 85	9 10	9 35	
1-2	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	
	\$3 80	3 80	3 80	3 80	3 80	3 96	4 12	4 28	4 44	4 60	4 76	
	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4	6 1/2	7	7 1/4	
	\$5 40	5 56	5 72	5 88	6 04	6 20	6 36	6 52	6 68	7 00	7 32	
	9 1/2	10	10 1/4	11	11 1/4	12	12 1/4	13	13 1/4	14	14 1/4	
	\$8 60	8 92	9 24	9 56	9 88	10 20	10 52	10 84	11 16	11 48	11 80	
9-16 & 5-8	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	
	\$7 50	7 50	7 50	7 50	7 50	7 50	7 50	7 50	7 50	7 50	8 00	
	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4	6 1/2	7	7 1/4	
	\$9 00	9 25	9 50	9 75	10 00	10 25	10 50	10 75	11 00	11 50	12 00	
	9 1/2	10	10 1/4	11	11 1/4	12	12 1/4	13	13 1/4	14	14 1/4	
	\$14 00	14 50	15 00	15 50	16 00	16 50	17 00	17 50	18 00	18 50	19 00	
3-4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	
	\$13 50	13 85	14 20	14 55	14 90	15 25	15 60	15 95	16 30	16 65	17 00	
	6	6 1/4	6 1/2	7	7 1/4	8	8 1/4	9	9 1/4	10	10 1/4	
	\$17 70	18 05	18 40	19 10	19 80	20 50	21 20	21 90	22 60	23 30	24 00	
	11 1/4	12	12 1/4	13	13 1/4	14	14 1/4	15	15 1/4	16		
	\$25 40	26 10	26 80	27 50	28 20	28 90	29 60	30 30	31 00	31 70		

FULL SQUARE CARRIAGE BOLTS

WARRANTED OF GENUINE NORWAY IRON



WITH FORGED NUTS, TURNED HEADS AND FINISHED POINTS.

PRICE PER HUNDRED.

3-16 & 1-4		5-16		3-8		7-16		1-2		9-16 & 5-8	
1	inch	\$2 40	1	inch	\$8 00	1	inch	\$5 20	1	inch	\$11 80
1	"	2 40	1	"	8 00	1	"	5 20	1	"	12 20
1	"	2 40	1	"	8 00	1	"	5 20	1	"	12 20
1	"	2 45	1	"	8 10	1	"	5 30	1	"	13 00
2	"	2 50	2	"	3 20	2	"	6 00	2	"	13 40
2	"	2 55	2	"	3 30	2	"	6 20	2	"	13 80
2	"	2 60	2	"	3 40	2	"	6 40	2	"	14 20
2	"	2 65	2	"	3 50	2	"	6 60	2	"	14 60
3	"	2 70	3	"	3 60	3	"	6 80	3	"	15 00
3	"	2 75	3	"	3 70	3	"	7 00	3	"	15 40
3	"	2 80	3	"	3 80	3	"	7 20	3	"	15 80
3	"	2 85	3	"	3 90	3	"	7 40	3	"	16 20
4	"	2 90	4	"	4 00	4	"	7 60	4	"	16 60
4	"	2 95	4	"	4 10	4	"	7 80	4	"	17 00
4	"	3 00	4	"	4 20	4	"	8 00	4	"	17 40
4	"	3 05	4	"	4 30	4	"	8 20	4	"	17 80
5	"	3 10	5	"	4 40	5	"	8 40	5	"	18 20
5	"	3 20	5	"	4 60	5	"	8 80	5	"	19 00
6	"	3 30	6	"	4 80	6	"	9 20	6	"	19 80
			6	"	5 00	6	"	9 60	6	"	20 60
			7	"	5 20	7	"	10 00	7	"	21 40
			7	"	5 40	7	"	10 40	7	"	22 20
			8	"	5 60	8	"	10 80	8	"	23 00
			8	"	5 80	8	"	11 20	8	"	23 80
			9	"	6 00	9	"	11 60	9	"	24 60
						9	"	12 00	9	"	25 40
						10	"	12 40	10	"	26 20
						11	"	12 80	11	"	27 00
						12	"	13 20	12	"	27 80
						13	"	13 60	13	"	29 40
						14	"	14 00	14	"	31 00
						15	"	14 40	15	"	32 60
						16	"	14 80	16	"	34 20
									16	"	35 80

- TIRE BOLTS -



DIAMETER.	LENGTHS OF BOLT AND PRICE PER HUNDRED.															
3-16	1 1/4 \$0 60	1 1/2 60	1 3/4 65	2 70	2 1/4 75	2 1/2 80	2 3/4 85	3 90								
1-4	1 1/4 \$0 80	1 1/2 80	1 3/4 85	2 90	2 1/4 95	2 1/2 1 00	2 3/4 1 05	3 1 10	3 1/4 1 15	3 1/2 1 20	3 3/4 1 25	4 1 30	4 1/2 1 40	5 1 50		
5-16	1 1/4 \$1 10	1 1/2 1 10	1 3/4 1 10	2 1 17	2 1/4 1 24	2 1/2 1 31	2 3/4 1 38	3 1 45	3 1/4 1 52	3 1/2 1 59	3 3/4 1 66	4 1 73	4 1/2 1 87	5 2 01	5 1/2 2 15	6 2 29
3-8	1 1/4 \$2 20	1 1/2 2 20	1 3/4 2 20	2 2 20	2 1/4 2 30	2 1/2 2 40	2 3/4 2 50	3 2 60	3 1/4 2 70	3 1/2 2 80	3 3/4 2 90	4 3 00	4 1/2 3 20	5 3 40	5 1/2 3 60	6 3 80

SLEIGH SHOE BOLTS



DIAMETER.	LENGTHS OF BOLT AND PRICE PER HUNDRED.															
5-16	2 \$3 20	2 1/2 3 40	3 3 60	3 1/2 3 80	4 4 00	4 1/2 4 20	5 4 40	5 1/2 4 60	6 4 80	6 1/2 5 00	7 5 20	7 1/2 5 40	8 5 60			
3-8	2 \$4 00	2 1/2 4 30	3 4 60	3 1/2 4 90	4 5 20	4 1/2 5 50	5 5 80	5 1/2 6 10	6 6 40	6 1/2 6 70	7 7 00	7 1/2 7 30	8 7 60			
7-16	2 \$6 00	2 1/2 6 40	3 6 80	3 1/2 7 20	4 7 60	4 1/2 8 00	5 8 40	5 1/2 8 80	6 9 20	6 1/2 9 60	7 10 00	7 1/2 10 40	8 10 80			
1-2	2 \$7 25	2 1/2 7 75	3 8 25	3 1/2 8 75	4 9 25	4 1/2 9 75	5 10 25	5 1/2 10 75	6 11 25	6 1/2 11 75	7 12 25	7 1/2 12 75	8 13 25			
9-16 5-8	2 \$13 40	2 1/2 14 20	3 15 00	3 1/2 15 80	4 16 60	4 1/2 17 40	5 18 20	5 1/2 19 00	6 19 80	6 1/2 20 60	7 21 40	7 1/2 22 20	8 23 00			

ELEVATOR BOLTS

FOR BOLTING BUCKETS TO GRAIN ELEVATORS.

PRICE PER HUNDRED.

3-16 and 1-4 inch.
ELEVATOR BOLTS—NORWAY IRON.

3/4 inch \$2 20 per 100 1 inch 2 20 per 100	
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5-16 inch.
ELEVATOR BOLTS—NORWAY IRON.

1 inch \$3 00 per 100 1 1/4 inch 3 00 per 100	
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PLOW BOLTS

WITH RIGHT OR LEFT HAND THREAD, AS MAY BE ORDERED.



No. 1. Key Head.



No. 2. Round Head.
Countersunk.



No. 3. Round Head.
Square under Head.



No. 4. Square.
Countersunk.

DIAMETER.	LENGTHS OF BOLT AND PRICE PER HUNDRED.											
5-16	$\frac{1}{4}$ \$1 70	$\frac{1}{2}$ 1 80	$\frac{3}{4}$ 1 90	2 2 00	$2\frac{1}{4}$ 2 10	$2\frac{1}{2}$ 2 20	$2\frac{3}{4}$ 2 30	3 2 40	$3\frac{1}{4}$ 2 50	$3\frac{1}{2}$ 2 60	$3\frac{3}{4}$ 2 70	4 2 80
3-8	$\frac{1}{4}$ \$2 00	$\frac{1}{2}$ 2 10	$\frac{3}{4}$ 2 20	2 2 30	$2\frac{1}{4}$ 2 40	$2\frac{1}{2}$ 2 50	$2\frac{3}{4}$ 2 60	3 2 70	$3\frac{1}{4}$ 2 80	$3\frac{1}{2}$ 2 90	$3\frac{3}{4}$ 3 00	4 3 10
7-16	$\frac{1}{4}$ \$2 60	$\frac{1}{2}$ 2 75	$\frac{3}{4}$ 2 90	2 3 05	$2\frac{1}{4}$ 3 20	$2\frac{1}{2}$ 3 35	$2\frac{3}{4}$ 3 50	3 3 65	$3\frac{1}{4}$ 3 80	$3\frac{1}{2}$ 3 95	$3\frac{3}{4}$ 4 10	4 4 25
1-2	$\frac{1}{4}$ \$3 50	$\frac{1}{2}$ 3 70	$\frac{3}{4}$ 3 90	2 4 10	$2\frac{1}{4}$ 4 30	$2\frac{1}{2}$ 4 50	$2\frac{3}{4}$ 4 70	3 4 90	$3\frac{1}{4}$ 5 10	$3\frac{1}{2}$ 5 30	$3\frac{3}{4}$ 5 50	4 5 70
9-16	$\frac{1}{4}$ \$4 50	$\frac{1}{2}$ 4 75	$\frac{3}{4}$ 5 00	2 5 25	$2\frac{1}{4}$ 5 50	$2\frac{1}{2}$ 5 75	$2\frac{3}{4}$ 6 00	3 6 25	$3\frac{1}{4}$ 6 50	$3\frac{1}{2}$ 6 75	$3\frac{3}{4}$ 7 00	4 7 25
5-8	$\frac{1}{4}$ \$5 70	$\frac{1}{2}$ 6 00	$\frac{3}{4}$ 6 30	2 6 60	$2\frac{1}{4}$ 6 90	$2\frac{1}{2}$ 7 20	$2\frac{3}{4}$ 7 50	3 7 80	$3\frac{1}{4}$ 8 10	$3\frac{1}{2}$ 8 40	$3\frac{3}{4}$ 8 70	4 9 00

STOVE AND SINK BOLTS

—WITH—

TURNED HEADS, SLOTTED AND COLD PRESSED NUTS.



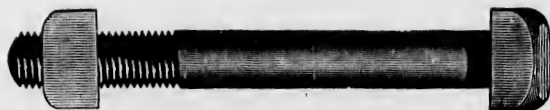
FLAT HEAD.



ROUND HEAD.

DIAMETER.	FLAT HEAD STOVE BOLTS.									
1-4	$\frac{3}{4}$ \$0 65	1 1 70	$1\frac{1}{4}$ 1 75	$1\frac{1}{2}$ 1 80	$1\frac{3}{4}$ 1 85	2 1 90	$2\frac{1}{4}$ 1 95	$2\frac{1}{2}$ 1 00	$2\frac{3}{4}$ 1 05	3 1 10
5-16	$\frac{3}{4}$ \$1 05	1 1 10	$1\frac{1}{4}$ 1 15	$1\frac{1}{2}$ 1 20	$1\frac{3}{4}$ 1 25	2 1 30	$2\frac{1}{4}$ 1 35	$2\frac{1}{2}$ 1 40	$2\frac{3}{4}$ 1 45	3 1 50
3-8	$\frac{3}{4}$ \$2 20	1 2 20	$1\frac{1}{4}$ 2 20	$1\frac{1}{2}$ 2 20	$1\frac{3}{4}$ 2 20	2 2 20	$2\frac{1}{4}$ 2 30	$2\frac{1}{2}$ 2 40	$2\frac{3}{4}$ 2 50	3 2 60
DIAMETER.	ROUND HEAD STOVE BOLTS.									
3-16	$\frac{3}{4}$ \$0 85	$\frac{3}{4}$ 85	$\frac{7}{8}$ 90	1 1 90	$1\frac{1}{4}$ 1 95	$1\frac{1}{2}$ 1 95	$1\frac{3}{4}$ 1 00	$1\frac{1}{2}$ 1 00	$1\frac{3}{4}$ 1 05	2 1 10
1-4	$\frac{3}{4}$ \$0 95	$\frac{3}{4}$ 95	$\frac{7}{8}$ 1 00	1 1 00	$1\frac{1}{4}$ 1 05	$1\frac{1}{2}$ 1 05	$1\frac{3}{4}$ 1 10	$1\frac{1}{2}$ 1 10	$1\frac{3}{4}$ 1 15	2 1 20
DIAMETER.	SINK BOLTS, WITH TWO NUTS.									
1-4	1 \$1 30	$1\frac{1}{4}$ 1 35	$1\frac{1}{2}$ 1 40	$1\frac{3}{4}$ 1 45	2 1 50	$2\frac{1}{4}$ 1 55	$2\frac{1}{2}$ 1 60	$2\frac{3}{4}$ 1 65	3 1 70	

MACHINE BOLTS



DIAMETER.	LENGTH OF BOLT AND PRICE PER HUNDRED.												
1-4	1½ \$2 80	2 2 90	2½ 3 00	3 3 10	3½ 3 20	4 3 30	4½ 3 40	5 3 50	5½ 3 60	6 3 70	6½ 3 80	7 3 90	7½ 4 00
5-16	1½ \$3 20	2 3 35	2½ 3 50	3 3 65	3½ 3 80	4 3 95	4½ 4 10	5 4 25	5½ 4 40	6 4 55	6½ 4 70	7 4 85	7½ 5 00
3-8	1½ \$3 60	2 3 80	2½ 4 00	3 4 20	3½ 4 40	4 4 60	4½ 4 80	5 5 00	5½ 5 20	6 5 40	6½ 5 60	7 5 80	7½ 6 00
7-16	1½ \$4 60	2 4 90	2½ 5 20	3 5 50	3½ 5 80	4 6 10	4½ 6 40	5 6 70	5½ 7 00	6 7 30	6½ 7 60	7 7 90	7½ 8 20
	8 \$8 50	9 9 10	10 9 70	11 10 30	12 10 90	13 11 50	14 12 10	15 12 70	16 13 30	17 13 90	18 14 50	19 15 10	20 15 70
1-2	1½ \$5 00	2 5 30	2½ 5 60	3 5 90	3½ 6 20	4 6 50	4½ 6 80	5 7 10	5½ 7 40	6 7 70	6½ 8 00	7 8 30	7½ 8 60
	8 \$8 90	9 9 50	10 10 10	11 10 70	12 11 30	13 11 90	14 12 50	15 13 10	16 13 70	17 14 30	18 14 90	19 15 50	20 16 10
9-16 & 5-8	1½ \$7 20	2 7 70	2½ 8 20	3 8 70	3½ 9 20	4 9 70	4½ 10 20	5 10 70	5½ 11 20	6 11 70	6½ 12 20	7 12 70	7½ 13 20
	8 \$13 70	9 14 75	10 15 75	11 16 75	12 17 75	13 18 75	14 19 75	15 20 75	16 21 75	17 22 75	18 23 75	19 24 75	20 25 75
3-4	1½ \$10 50	2 11 10	2½ 11 70	3 12 30	3½ 12 90	4 13 50	4½ 14 10	5 14 70	5½ 15 30	6 15 90	6½ 16 50	7 17 10	7½ 17 70
	8 \$18 30	9 19 50	10 20 70	11 21 90	12 23 10	13 24 30	14 25 50	15 26 70	16 27 90	17 29 10	18 30 30	19 31 50	20 32 70
7-8	1½ \$14 90	2 15 80	2½ 16 60	3 17 50	3½ 18 30	4 19 20	4½ 20 00	5 20 90	5½ 21 70	6 22 60	6½ 23 40	7 24 30	7½ 25 10
	8 \$26 00	9 27 70	10 29 40	11 31 10	12 32 80	13 34 50	14 36 20	15 37 90	16 39 60	17 41 30	18 43 00	19 44 70	20 46 40
1	1½ \$22 00	2 23 10	2½ 24 20	3 25 30	3½ 26 40	4 27 50	4½ 28 60	5 29 70	5½ 30 80	6 31 90	6½ 33 00	7 34 10	7½ 35 20
	8 \$36 30	9 38 50	10 40 70	11 42 90	12 45 10	13 47 30	14 49 50	15 51 70	16 53 90	17 56 10	18 58 30	19 60 50	20 62 70

If with Hexagon Nuts, 10 per cent. extra. If with both Hexagon Heads and Hexagon Nuts, 20 per cent. extra.

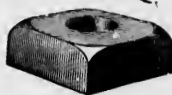
BOLT ENDS

WITH SQUARE NUTS.

Diameter, inches,	5-16	3-8	7-16	1 2	5-8	3-4	7-8	1	1 1/2	1 1/4	1 3/8	1 1/2	1 1/2	1 3/8	1 1/2	2
Length, inches,	6	7	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Price per pound,	\$0 28	0 24	0 20	0 16	0 14	0 12				0 14			0 16			

If with Hexagon Nuts, 10 per cent. extra.

HOT PRESSED SQUARE NUTS



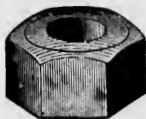
MANUFACTURERS' STANDARD LIST.

SIZE SQUARE.	THICKNESS.	DIAMETER OF HOLE.	SIZE OF BOLT.	PRICE PER 100 lbs. IN 100 lb. BOXES.	AVERAGE NUMBER IN 100 LBS.
1 1-32 inch.	5-32	3-32	1-8	\$50 00	30000
1 3-32 "	3-16	5-32	3-16	80 00	15000
1-2 "	1-4	7-32	1-4	} 13 00	7500
9-16 "	5-16	9-32	5-16		5400
5-8 "	5-16	9-32	5-16	} 11 50	4400
5-8 "	3-8	9-32	5-16		3600
3-4 "	3-8	11-32	3-8	} 10 00	2500
3-4 "	13-32	11-32	3-8		2300
7-8 "	7-16	3-8	7-16	} 9 00	1600
7-8 "	7-16	13-32	7-16		1400
7-8 "	1-2	7-16	1-2		1320
1 "	1-2	7-16	1-2	} 8 70	1000
1 1-8 "	9-16	1-2	9-16		595
1 1-8 "	5-8	9-16	5-8		500
1 1-4 "	5-8	9-16	5-8	} 8 30	500
1 1-4 "	3-4	9-16	5-8		460
1 3-8 "	3-4	21-32	3-4		325
1 1-2 "	3-4	21-32	3-4	} 8 00	265
1 1-2 "	7-8	21-32	3-4		210
1 5-8 "	7-8	25-32	7-8		185
1 5-8 "	1	25-32	7-8		160
1 3-4 "	7-8	25-32	7-8		140
1 3-4 "	1	7-8	1		120
1 3-4 "	1 1-8	7-8	1		120
2 "	1	7-8	1		100
2 "	1 1-8	15-16	1 1-8		92
2 1-4 "	1 1-8	15-16	1 1-8		75
2 1-2 "	1 1-4	1 1-16	1 1-4		55
2 1-4 "	1 1-4	1 1-16	1 1-4	} 8 30	68
2 3-4 "	1 3-8	1 3-16	1 3-8		48
3 "	1 1-2	1 5-16	1 1-2	} 8 30	32
3 1-4 "	1 5-8	1 7-16	1 5-8		30
3 1-2 "	1 3-4	1 9-16	1 3-4	} 9 30	27
3 3-4 "	1 7-8	1 11-16	1 7-8		24
4 "	2	1 13-16	2		21

Sizes not enumerated on printed list will be charged extra.

HOT PRESSED

- HEXAGON NUTS -



MANUFACTURERS' STANDARD LIST.

SIZE SQUARE.	THICKNESS.	DIAMETER OF HOLE.	SIZE OF BOLT.	PRICE PER 100 lbs. in 100 lb. boxes.	AVERAGE NUMBER IN 100 lbs.
1-2 inch. 9-16 "	1-4 5-16	7-32 9-32	1-4 5-16	\$20 00	9000 5000
5-8 " 5-8 "	5-16 3-8	9-32 9-32	5-16 5-16		4600 4300
3-4 " 3-4 "	3-8 13-32	11-32 11-32	3-8 3-8	18 00	4000 2900
7-8 " 7-8 " 7-8 "	7-16 7-16 1-2	3-8 13-32 7-16	7-16 7-16 1-2		1600 1450 1260
1 " 1 1-8 " 1 1-8 "	1-2 9-16 5-8	7-16 1-2 9-16	1-2 9-16 5-8	10 50 10 30	1100 675 620
1 1-4 " 1 1-4 " 1 3-8 "	5-8 3-4 3-4	9-16 9-16 21-32	5-8 5-8 3-4		550 525 420
1 1-2 " 1 1-2 " 1 5-8 " 1 5-8 " 1 3-4 " 1 3-4 " 2 "	3-4 7-8 7-8 1 1 1 1-8 1 1-4	21-32 21-32 25-32 25-32 7-8 7-8 15-16	3-4 3-4 7-8 7-8 1 1 1 1-8	9 50	300 290 170 158 145 130 105
2 1-4 " 2 1-2 " 2 3-4 "	1 3-8 1 1-2 1 5-8	1 1-16 1 3-16 1 5-16	1 1-4 1 3-8 1 1-2		80 65 55
3 " 3 1-4 "	1 3-4 1 7-8	1 7-16 1 9-16	1 5-8 1 3-4	10 50	45 34
3 1-2 " 3 1-2 "	2 2	1 11-16 1 11-16	1 7-8 2		26 24

Sizes not enumerated in printed list will be charged extra.

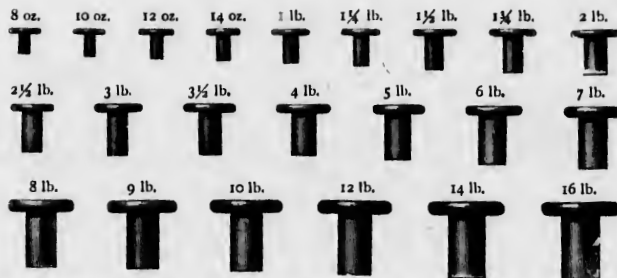
HOT PRESSED SQUARE AND HEXAGON NUTS



U. S. GOVERNMENT AND WHITWORTH'S STANDARD SIZES.

SHORT DIAMETER.	THICKNESS.	HOLE.	SIZE OF BOLT.	PRICE PER 100 POUNDS.	
				SQUARE.	HEXAGON.
1-2	1-4	3-16	1-4	\$18 00	\$20 00
19-32	5-16	1-4	5-16	12 00	18 00
11-16	3-8	19-64	3-8	10 50	14 00
13-16	7-16	11-32	7-16	10 00	13 00
7-8	1-2	13-32	1-2	9 00	11 00
1	9-16	29-64	9-16	9 00	11 00
1 1-16	5-8	33-64	5-8	8 70	10 50
1 5-16	3-4	5-8	3-4	8 40	9 90
1 7-16	7-8	47-64	7-8	8 40	9 90
1 11-16	1	27 32	1	8 20	9 70
1 13-16	1 1-8	15-16	1 1-8	8 20	9 70
2	1 1-4	1 1-16	1 1-4	8 40	9 90
2 3-16	1 3-8	1 5-32	1 3-8	8 40	9 90
2 7-16	1 1-2	1 9-32	1 1-2	8 80	10 30
2 9-16	1 5-8	1 3 8	1 5-8	8 80	10 30
2 3-4	1 3-4	1 1-2	1 3-4	9 30	10 80
3	1 7-8	1 5-8	1 7-8	9 30	10 80
3 1-8	2	1 23-32	2	9 50	11 00

THOUSAND RIVETS



IN PAPERS—PER 1000.

SIZE.	BLACK.	TINNED.
8 ounce	\$0 20	\$0 24
10 "	22	25
12 "	24	28
14 "	26	30
1 pound	27	33
1 1/4 "	29	37
1 1/2 "	32	41
1 3/4 "	36	47
2 "	40	52
2 1/2 "	47	63
3 "	53	72
3 1/2 "	58	80
4 "	64	88
5 "	75	1 05
6 "	90	1 26
7 "	1 05	1 50
8 "	1 20	1 70
9 "	1 27	1 80
10 "	1 40	2 00
12 "	1 70	2 40
14 "	1 90	2 75
16 "	2 20	3 10

IN BULK—PER POUND.

SIZE.	BLACK.	TINNED.
8 ounce	\$0 38	\$0 45
10 "	34	40
12 "	31	37
14 "	29	35
1 pound	26	32
1 1/4 "	23	29
1 1/2 "	21	27
1 3/4 "	20	26
2 "	19	25
2 1/2 "	18	24
3 "	17	23
3 1/2 "	16	22
4 "	15	21
5 "	14	20
6 "	14	20
7 "	14	20
8 "	14	20
9 "	13	19
10 "	13	19
12 "	13	19
14 "	12 1/2	18 1/2
16 "	12 1/2	18 1/2

THOUSAND RIVETS.

APPROXIMATE DIMENSIONS.






























SIZE.	LENGTH.	DIAMETER WIRE GAUGE.	SIZE.	LENGTH.	DIAMETER WIRE GAUGE.
8 ounce	$\frac{3}{8}$	No. 13 1/4	3 1/2 pound	$\frac{3}{8}$	No. 8
10 "	$\frac{7}{16}$	" 13	4 "	$\frac{7}{16}$	" 7 1/4
12 "	$\frac{1}{2}$	" 12 1/4	5 "	$\frac{1}{2}$	" 6 3/4
14 "	$\frac{5}{8}$	" 12	6 "	$\frac{5}{8}$	" 6
1 pound	$\frac{1}{2}$	" 11 3/4	7 "	$\frac{1}{2}$	" 5 1/4
1 1/4 "	$\frac{3}{4}$	" 11	8 "	$\frac{3}{4}$	" 4 3/4
1 1/2 "	$\frac{7}{8}$	" 10 1/4	9 "	$\frac{7}{8}$	" 4 1/4
1 3/4 "	1	" 10	10 "	1	" 4
2 "	$\frac{1}{2}$	" 9 1/4	12 "	$\frac{1}{2}$	" 3
2 1/2 "	$\frac{3}{4}$	" 9	14 "	$\frac{3}{4}$	" 2
3 "	$\frac{7}{8}$	" 8 1/4	16 "	$\frac{7}{8}$	" 1

PATENT TUBULAR RIVETS

THREE TIMES AS MANY IN COUNT TO POUND AS THERE IS TO A POUND OF RIVETS AND BURRS.
NO PUNCHING REQUIRED. NO BURR USED.










































TWO-THIRDS REGULAR SIZE.

No. 1.

	$\frac{3}{16}$	$\frac{3\frac{1}{2}}{16}$	$\frac{4}{16}$	$\frac{4\frac{1}{2}}{16}$	$\frac{5}{16}$	$\frac{5\frac{1}{2}}{16}$	$\frac{6}{16}$	$\frac{7}{16}$
Japanned Shoe.								
Japanned Rubber.								
Coppered Shoe.								
Tinned Shoe.								
Coppered Belt.								
Tinned Strap.								

TWO-THIRDS REGULAR SIZE.

No. 8.

	$\frac{4}{16}$	$\frac{4\frac{1}{2}}{16}$	$\frac{5}{16}$	$\frac{5\frac{1}{2}}{16}$	$\frac{6}{16}$	$\frac{6\frac{1}{2}}{16}$	$\frac{7}{16}$	$\frac{7\frac{1}{2}}{16}$	$\frac{8}{16}$
Coppered Harness, Flat Head.									
Coppered Harness, Round Head.									
Tinned Harness, Flat Head.									
Tinned Harness, Round Head.									
Copper Bag Rivets.									



Full Size Clinch.



Full Size Clinch.

No. 1 All lengths
No. 2 All lengths

per pound, \$1 65
per pound, 1 50

BEST IRON RIVETS IN BULK

ROUND, FLAT, WAGON BOX, TRUSS, WHEEL, COUNTERSUNK SECTION OR OTHER
STYLE HEADS IN QUANTITIES.

Bevel Head. Cone Head. Round Head. Flat Head. Machine Head. Globe Head.



Countersunk Head. Truss Head. Wagon Box Head. Wheel Head. Oval Countersunk Head.



PRICE PER POUND.

Diameter	LENGTH.														
	$\frac{1}{2}$ and longer	$\frac{15}{32}$	$\frac{7}{16}$	$\frac{13}{32}$	$\frac{3}{8}$	$\frac{11}{32}$	$\frac{5}{16}$	$\frac{9}{32}$	$\frac{1}{4}$	$\frac{7}{32}$	$\frac{3}{16}$	$\frac{5}{32}$	$\frac{1}{8}$	$\frac{3}{32}$	
7/16	$11\frac{1}{2}$	$11\frac{1}{2}$	$11\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\frac{3}{8}$	$11\frac{1}{2}$	$11\frac{1}{2}$	$11\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
$\frac{11}{32}$	$11\frac{1}{2}$	$11\frac{1}{2}$	$11\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5/16	$12\frac{1}{2}$	$12\frac{1}{2}$	$12\frac{1}{2}$	13	13	.....	.....	.....	.....	.....	.....	.....	.....	.....
No. 1	$12\frac{1}{2}$	$12\frac{1}{2}$	$12\frac{1}{2}$	13	13	13	.....	.....	.....	.....	.....	.....	.....	.....
" 2	$12\frac{1}{2}$	$12\frac{1}{2}$	$12\frac{1}{2}$	13	13	13	14	.....	.....	.....	.....	.....	.....	.....
" 3	13	13	13	14	14	14	15	15	15	.....	.....	.....	.....	.....
" $\frac{1}{4}$	13	13	13	14	14	14	15	15	15	16	16	.....	.....	.....
No. 4	13	14	14	15	15	15	16	16	16	17	17	18	.....	.....
" 5	14	15	16	16	16	17	17	18	18	19	19	20	20	21	
" 6	14	15	16	16	17	17	18	18	19	20	21	22	22	23	
" $\frac{3}{16}$	14	15	16	16	17	17	18	18	19	20	22	23	24	25	
No. 7	15	16	17	17	17	18	18	19	19	20	22	23	24	25	
" 8	16	16	17	17	18	18	19	19	19	21	22	23	24	25	
" 9	18	19	19	20	20	21	21	21	21	23	25	27	29	30	
" 10	19	20	21	22	23	25	27	28	28	30	33	35	37	38	
" 11	20	22	24	26	27	28	30	31	31	33	37	40	42	45	
" 12	21	24	26	28	29	30	32	34	35	36	41	45	50	55	
" 13	25	27	30	33	34	35	37	39	40	41	45	50	55	60	
" 14	27	30	35	38	40	45	50	52	54	56	58	60	63	65	

COOPERS' RIVETS IN BULK.

[illegible]

COOPER RIVETS.

APPROXIMATE DIMENSIONS.

SIZE.	LENGTH.	DIAMETER WIRE GAUGE.	SIZE.	LENGTH.	DIAMETER WIRE GAUGE.
1d	1½	No. 4	4d	1½	No. 1
2d	1½	" 3	5d	1½	" 0
3d	1½	" 2	6d	1½	" 00

TINNED SWEDES IRON BELT RIVETS AND BURRS.

PRICE PER POUND.



No.	7	8	9	10	11	12
Per pound,	\$0 30	31	32	33	35	40

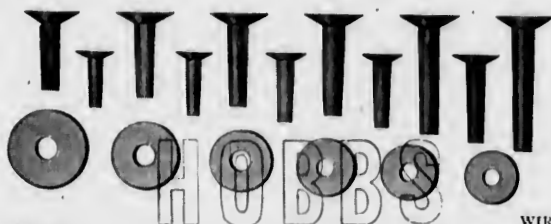
Burrs without Rivets invoiced from Burr List.

SWEDES IRON BURRS.

NUMBER.	BLACK.	TINNED.	NUMBER.	BLACK.	TINNED.
3-8	\$0 25	\$0 31	3-16	\$0 30	\$0 36
11-32	25	31	7	32	38
5-16	25	31	8	33	39
1	25	31	9	34	40
2	25	31	10	35	41
3	25	31	11	36	42
1-4	25	31	12	42	48
4	26	32	13	42	48
5	27	33	14	45	51
6	30	36			

COPPER BELT RIVETS AND BURRS.

PUT UP IN ONE POUND BOXES.



LENGTH.												WIRE.										
$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	inch.	No. 7	8	9	10	11	12	13	14	15	
													Per lb.	49	50	52	54	56	58	60	65	70

Brass Rivets not less than Copper. Copper and Brass Rivets and Burrs made to particular sizes and patterns, special price—not less than corresponding rates.

COPPER BRAZIER'S RIVETS.

Nos.	0	1	2	3	4	5	6	7	8	9	10
Price per pound,	40	49	49	49	48	48	47	47	46	46	45c

NUMBER OF COPPER BELT RIVETS AND BURRS IN ONE POUND.

Wire.		LENGTH.													Burrs.
		$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1	
No. 7	272	250	228	180	164	160	148	112	116	100	84	80	69	345	
" 8	276	248	208	200	178	172	152	136	110	104	96			390	
" 9	340	280	272	248	228	220	184	176	156	136				610	
" 10	544	448	384	340	304	300	272	238	204					716	
" 12	588	512	432	404	364	336	304	272						1385	
" 13	996	852	532											1630	

NUMBER OF COPPER BRAZIER'S RIVETS IN ONE POUND.

Size	0	1	2	3	4	5	6	7	8	9	10
	148	100	70	44	34	24	18	12	9	6	4

WASHERS.



SIZE OF HOLE.		OUTSIDE DIAMETER.		THICKNESS BY WIRE GAUGE.		PRICE.	
3-16	inch	7 16	inch	18	W. G.	20	cents per pound.
$\frac{1}{4}$	"	$\frac{1}{2}$	"	16	"	15	" "
5-16	"	$\frac{3}{8}$	"	15	"	15	" "
$\frac{3}{8}$	"	$\frac{1}{2}$	"	14	"	12 $\frac{1}{2}$	" "
7-16 and $\frac{1}{2}$	"	1 and $\frac{1}{4}$	"	13	"	10	" "
9-16 and $\frac{3}{8}$	"	$\frac{1}{2}$ and $\frac{1}{4}$	"	12	"	9	" "
11-16	"	$\frac{1}{2}$	"	11	"	8	" "
$\frac{1}{2}$ and 13-16	"	$\frac{1}{2}$	"	11	"	8	" "
$\frac{3}{8}$ and 1	"	2	"	10	"	8	" "
$\frac{1}{2}$	"	$\frac{3}{4}$	"	9	"	8	" "
$\frac{1}{2}$	"	$\frac{3}{4}$	"	9	"	8	" "
$\frac{1}{2}$ and $\frac{1}{2}$	"	$\frac{3}{4}$ and 1	"	8	"	8	" "

Special Washers, Irregular Sizes, Round or Square, to order.

IRON.

STANDARD LIST OF EXTRAS—MERCHANTS' BAR AND BAND IRON.

Thickness	3-16	$\frac{1}{4}$	5-16	$\frac{3}{8}$	7-16	$\frac{1}{2}$	9-16	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Width	$\frac{1}{2}$	1.00	.75	.75	.60						
"	$\frac{3}{8}$	.75	.60	.60	.45						
"	$\frac{1}{4}$	.60	.45	.45	.30	.30	.30				
"	$\frac{3}{8}$	.45	.30	.30	.15	.15	.15	.15	.15		
"	1	.30	.15	.15							
"	$1\frac{1}{8}$ to 6	.15									
Rounds and Squares	1.25	.75	.60	.45	.30	.15	.15				
Ovals and Half Rounds		1.50	1.20	1.00	1.00	.80	.80	.60	.40	.20	.20
Half Ovals		2.25	1.80	1.50	1.50	1.20	1.20	.90	.60	.30	.30

LARGE ROUNDS AND SQUARES.				BANDS.				
3¼ 15	3½ 30	3¾ 45	4 60	1 to 6 50	7⁄8 70	¾ 90	5⁄8 1.50	½ 2.50
<p>Bars cut to Specified Lengths 10c. per 100 lbs. extra.</p>				<p>LARGE FLATS.</p> <p>1¾ to 6 by 1⅝ to 1½, 30c. 3 to 5 by 1⅝ to 2 50c. 7, 8, 9, and 12 inch Flats, 50c.</p>		<p>Under 3 ft. and over 20 ft. Lengths 20c. per 100 lbs. extra.</p>		

LOWMOOR IRON—ROUND AND SQUARE.

EXTRAS,					
9-16	1-2	7-16	3-8	5-16	1-4 inch
\$0 50	0 75	1 00	1 50	2 00	2 50 per 100 lbs.
7-8 x 1-4	1 x 1-4	1 1/8 x 1-4	1 1/4 x 1-4	1 x 3-8	7-8 x 1-2
\$1 00	0 75	0 50	0 35	0 35	0 35
					0 25 per 100 lbs.

SWEDES AND NORWAY IRON.

Swedes and Norway, Square or Round,	1-4	5-16	3-8	7-16	1-2	5-8	3-4	7-8 inch.
	\$3 00	2 75	2 50	2 00	1 50	1 00	0 50	0 25 per 100 lbs
Swedes and Norway, Flat, any thickness,	3-4	7-8	1	1 ¼ inch.				
	\$1 00	0 75	0 50	0 25 per 100 lbs.				

BOWLING OR LOWMOOR BOILER PLATE EXTRAS.

Plates under 280 lbs. each, no extra.

Plates 280 lbs. and under 336 lbs.

Plates 336 lbs. and under 392 lbs.

Plates 392 lbs. and under 448 lbs.

Plates 448 lbs. and under 672 lbs.

All plates exceeding 6 feet wide,

All plates exceeding 8 feet wide subject to special quotation.

Plates to sketch, 1 1/2c. per lb. extra.

\$0.25 per 100 lbs. extra.

1 00 per 100 lbs. extra.

1 50 per 100 lbs. extra.

2 50 per 100 lbs. extra.

o 60 per 100 lbs. extra.

STAFFORDSHIRE BOILER PLATE.

Sizes of Best Refined Staffordshire Boiler Plate usually kept in stock.

[illegible]

BOWLING OR LOWMOOR BOILER PLATE

1-4	6 x 2½	6 x 3	6 x 4	7 x 2½	7 x 3	7 x 3½	7 x 4	8 x 2½	8 x 3	8 x 3½	8 x 4 feet.
5-16	"	"	"	"	"	"	"	"	"	"	"
3-8	"	"	"	"	"	"	"	"	"	"	"

ROUND HEADS, BOWLING OR LOWMOOR.

Diameter,	45 x 5-16	48 x 3-8	52 x 3-8	54 x 3-8	60 x 3-8	65 x 3-8 inch.
-----------	-----------	----------	----------	----------	----------	----------------

WEIGHT OF FLAT BAR IRON PER LINEAL FOOT.

Width Inches.	THICKNESS IN INCHES.									
	¼	3/16	¼	5/16	¾	½	¾	¾	¾	1
½	.211	.361	.422	.491	.634					
¾	.260	.420	.510	.640	.784					
1	.316	.471	.633	.790	.950	1.26	1.58			
1 ¼	.370	.551	.730	.915	1.09	1.46	1.82	2.19		
1 ½	.421	.623	.832	1.04	1.25	1.67	2.08	2.50	2.92	
1 ¾	.475	.700	.940	1.17	1.41	1.88	2.34	2.81	3.28	3.75
2	.524	.782	1.04	1.30	1.56	2.08	2.60	3.12	3.64	4.17
2 ¼	.574	.860	1.15	1.43	1.72	2.29	2.86	3.44	4.01	4.58
2 ½	.631	.940	1.25	1.56	1.88	2.50	3.13	3.75	4.38	5.00
2 ¾	.682	1.02	1.35	1.69	2.03	2.71	3.38	4.01	4.74	5.42
3	.730	1.09	1.46	1.82	2.19	2.92	3.65	4.37	5.10	5.83
3 ¼	.831	1.24	1.67	2.08	2.50	3.33	4.17	5.00	5.83	6.67
3 ½	.945	1.41	1.88	2.34	2.81	3.75	4.69	5.63	6.51	7.50
3 ¾	1.04	1.56	2.08	2.60	3.12	4.17	5.21	6.25	7.29	8.33
4	1.14	1.72	2.29	2.86	3.44	4.59	5.73	6.87	8.02	9.17
4 ¼	1.25	1.87	2.50	3.12	3.75	5.00	6.25	7.50	8.75	10.00
4 ½	1.35	2.03	2.71	3.38	4.07	5.42	6.77	8.12	9.48	10.83
4 ¾	1.46	2.19	2.92	3.65	4.38	5.83	7.29	8.75	10.21	11.61
5	1.56	2.34	3.12	3.90	4.69	6.25	7.81	9.37	10.94	12.50
5 ¼	1.67	2.50	3.33	4.17	5.00	6.67	8.33	10.00	11.67	13.33
5 ½	1.87	2.81	3.75	4.69	5.63	7.50	9.38	11.25	13.13	15.60
5 ¾	2.08	3.13	4.17	5.21	6.25	8.34	10.42	12.50	14.59	16.67
6	2.50	3.75	5.00	6.25	7.50	10.00	12.50	15.00	17.50	20.00

WEIGHT OF IRON ONE FOOT AND FOURTEEN FEET.

SQUARE AND ROUND BARS.

SIZES.	SQUARE.		ROUND.		SIZES.	SQUARE.		ROUND.		SIZES.	SQUARE.		ROUND.	
	1 ft.	14 ft.	1 ft.	14 ft.		1 ft.	14 ft.	1 ft.	14 ft.		1 ft.	14 ft.	1 ft.	14 ft.
½	.208	2.91	.163	2.29	1 ½	6.30	88.20	4.94	69.16	2 ½	27.55	385.70	21.63	302.82
5/16	.385	4.55	.255	4.37	1 ¾	7.50	105.00	5.89	82.46	3	30.00	420.00	23.56	329.84
¾	.468	6.56	.368	5.15	2	8.80	123.20	6.91	96.74	3 ½	35.20	492.80	27.65	387.10
7/16	.638	8.93	.501	7.00	2 ¼	10.20	142.80	8.01	112.14	4	40.80	570.12	32.07	448.98
½	.833	11.66	.654	9.16	2 ½	11.71	163.94	9.20	128.80	4 ½	46.87	656.18	36.81	515.32
9/16	1.05	14.70	.828	11.59	3	13.33	186.62	10.47	146.58	5	53.32	746.62	41.88	586.32
1	1.30	18.20	1.02	14.28	3 ½	15.05	210.70	11.82	165.48	5 ½	60.20	842.80	47.28	661.94
1 ¼	1.87	26.18	1.47	20.58	4	16.87	236.18	13.25	185.50	6	67.50	945.00	53.01	742.14
1 ½	2.55	35.70	2.00	28.00	4 ½	18.80	263.20	14.76	206.64	6 ½	75.20	1052.80	59.96	826.84
1 ¾	3.33	46.62	2.61	36.54	5	20.86	291.20	16.36	229.04	7	83.33	1166.62	65.45	916.30
2	4.21	58.94	3.31	46.34	5 ½	22.96	321.44	18.03	252.42					
2 ¼	5.20	72.80	4.09	57.26	6	25.20	352.80	19.79	277.06					

ANGLE IRON, EQUAL SIDES—WEIGHT OF ONE YARD.

Inches.	¾	¾	1	1 ¼	1 ½	1 ¾	2	2 ¼	2 ½	2 ¾	3	3 ½	4	4 ½	6
1-8	1.72	2.03	2.34	2.97											
3-16	2.46	2.93	3.40	4.31	5.27	6.21	7.14	8.06	8.98	9.90	10.82	11.74	12.66	13.58	14.50
1-4			4.38	5.63	6.88	8.13	9.38	10.63	11.88	13.13	14.38	15.63	16.88	18.13	19.38
5-16					8.49	9.95	11.41	12.87	14.33	15.79	17.25	18.71	20.17	21.63	23.09
3-8						13.60	15.50	17.40	19.30	21.20	23.10	25.00	26.90	28.80	30.70
7-16							17.80	20.00	22.20	24.40	26.60	28.80	31.00	33.20	35.40
1-2								22.50	25.00	27.50	30.00	32.50	35.00	37.50	40.00

HOOP IRON

WEIGHT OF A TEN FOOT LENGTH OF HOOP IRON, IN POUNDS AND DECIMALS AND ITS ORDINARY THICKNESS ON THE OLD WIRE GAUGE.

WIDTH AND THICKNESS ON THE W. G.	WEIGHT.	WIDTH AND THICKNESS ON THE W. G.	WEIGHT.	WIDTH AND THICKNESS ON THE W. G.	WEIGHT.
$\frac{1}{2}$ x 20	....	$1\frac{1}{2}$ x 16	3.12	3 x 14	7.80
$\frac{3}{8}$ x 20	.685	$1\frac{3}{8}$ x 16	3.35	$3\frac{1}{4}$ x 13	10.10
$\frac{1}{2}$ x 20	.885	$1\frac{1}{2}$ x 15	4.00	$3\frac{1}{2}$ x 13	10.80
$\frac{3}{4}$ x 19	1.24	$1\frac{3}{4}$ x 15	4.35	$3\frac{3}{4}$ x 13	11.60
1 x 18	1.55	2 x 15	4.70	4 x 12	14.60
$1\frac{1}{8}$ x 17	2.04	$2\frac{1}{2}$ x 15	5.25	$4\frac{1}{2}$ x 11	18.75
$1\frac{1}{2}$ x 17	2.27	$2\frac{3}{4}$ x 14	6.50	5 x 10	23.49
$1\frac{3}{4}$ x 16	2.86	$2\frac{1}{2}$ x 14	7.15	6 x 10	28.10

RUSSIA SHEET IRON

GAUGE, WEIGHT AND SIZE OF RUSSIA SHEET IRON—RUSSIA AND ENGLISH NUMBERS.

No. 8 Russia Iron is about No. 25 W. G., and about 8 lbs. to sheet, (size of sheet, 4 feet 8 inches x 2 feet 4 inches).
 No. 9 Russia Iron is about No. 24 W. G., and about 8½ lbs. to sheet, (size of sheet, 4 feet 8 inches x 2 feet 4 inches).
 No. 10 Russia Iron is about No. 23 W. G., full, and about 9 lbs. to sheet, (size of sheet, 4 feet 8 inches x 2 feet 4 inches).
 No. 11 Russia Iron is about No. 23 W. G., and about 10 lbs. to sheet, (size of sheet, 4 feet 8 inches x 2 feet 4 inches).
 No. 12 Russia Iron is about No. 22 W. G., and about 11 lbs. to sheet, (size of sheet, 4 feet 8 inches x 2 feet 4 inches).
 No. 14 Russia Iron is about No. 21 W. G., full, and about 13 lbs. to sheet, (size of sheet, 4 feet 8 inches x 2 feet 4 inches).

TABLE SHOWING THE WEIGHTS OF THE DIFFERENT GAUGES OF SHEET IRON, ACCORDING TO THE NEW STANDARD GAUGE OF THE BOARD OF TRADE.

NO. OF GAUGE.	THICKNESS IN INCHES.	WEIGHT IN OZ. PER SQ. FOOT.	NO. OF GAUGE.	THICKNESS IN INCHES.	WEIGHT IN OZ. PER SQ. FOOT.	NO. OF GAUGE.	THICKNESS IN INCHES.	WEIGHT IN OZ. PER SQ. FOOT.
1	.30	162.00	11	.116	74.24	21	.032	20.48
2	.276	176.64	12	.104	66.56	22	.028	17.92
3	.252	161.28	13	.092	58.88	23	.024	15.36
4	.232	148.48	14	.080	51.20	24	.022	14.08
5	.212	135.68	15	.072	46.08	25	.020	12.80
6	.192	122.88	16	.064	40.96	26	.018	11.52
7	.176	112.64	17	.056	35.84	27	.0164	10.49
8	.160	102.40	18	.048	30.72	28	.0148	9.47
9	.144	92.16	19	.040	25.60	29	.0136	8.70
10	.128	81.92	20	.036	23.04	30	.0124	7.93

WEIGHT OF A SUPERFICIAL FOOT OF SHEET LEAD, BOILER PLATE, SHEET IRON, COPPER AND BRASS IN POUNDS.

* THICKNESS IN PARTS OF AN INCH.	* LEAD.	IRON.	THICKNESS BY THE WIRE GAUGE.	NO.	IRON.	COPPER.	BRASS.	THICKNESS BY THE WIRE GAUGE.	NO.	IRON.	COPPER.	BRASS.
1/32	1.85	1.25		1	12.50	14.50	13.75		16	2.50	2.90	2.75
1/16	3.70	2.50		2	12.00	13.90	13.20		17	2.18	2.52	2.40
1/8	7.40	5.00		3	11.00	12.75	12.10		18	1.86	2.15	2.04
3/16	11.10	7.50		4	10.00	11.50	11.00		19	1.70	1.97	1.87
1/4	14.81	10.00		5	8.74	10.10	9.61		20	1.54	1.78	1.69
5/16	18.51	12.50		6	8.12	9.40	8.93		21	1.40	1.62	1.54
3/8	22.22	15.00		7	7.50	8.70	8.25		22	1.25	1.45	1.37
7/16	25.99	17.50		8	6.86	7.90	7.54		23	1.12	1.30	1.22
1/2	29.62	20.00		9	6.24	7.20	6.86		24	1.00	1.16	1.10
9/16	33.32	22.50		10	5.62	6.50	6.18		25	.90	1.04	.99
5/8	37.00	25.00		11	5.00	5.80	5.50		26	.80	.92	.88
11/16	40.75	27.50		12	4.38	5.08	4.81		27	.72	.83	.79
3/4	44.44	30.00		13	3.75	4.34	4.12		28	.64	.74	.70
7/8	51.85	35.00		14	3.11	3.60	3.43		29	.50	.64	.61
1	59.22	40.00		15	2.82	3.27	3.10		30	.50	.58	.55

GALVANIZED SHEET IRON.

"Redcliffe Crown" Brand, equal (or better) to "Queen's Head," per 100 lbs., - - - \$
 "Our Special" Brand, per 100 lbs., - - - \$

Stock sizes, 72 x 30 inches, 26 and 28 G.

SPECIAL SIZES AND THICKNESSES SUPPLIED TO ORDER.

HOBBS

WEIGHT OF GALVANIZED SHEET IRON, PER SQUARE FOOT.

Nos.	28	26	24	22	20	18	16	W. G.
Weight, per sq. ft.	12	15	17	21	28	37	40	ounces.
No. Sheets in Case	106	93	70	57	50	37	27	

SHEET ZINC.

Sheet Zinc, Nos. 8, 9 and 10 G, per pound, - - - - - \$

Casks, 5 cwt. each.

BY ZINC GAUGE IN POUNDS, PER SQUARE FOOT, AND PER SHEET OF 3 x 7 FEET.

ZINC GAUGE.	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20
SQUARE FOOT.	0.33	0.40	0.47	0.54	0.61	0.68	0.82	0.95	1.00	1.22	1.36	1.49	1.63	2.17	2.71
SHEET.	6.93	8.40	10.05	11.47	12.90	14.32	17.16	20.00	22.84	25.68	28.52	31.36	34.20	45.55	56.91

WEIGHT OF ONE FOOT OF BAR STEEL,
 SQUARE, ROUND AND OCTAGON,
 IN POUNDS AND DECIMALS.

Size.	Square.	Round.	Octagon.
1-4 in.	.213	.166	.....
3-8 "	.479	.375	.....
1-2 "	.855	.667	.84
5-8 "	1.33	1.04	1.23
3-4 "	1.91	1.50	1.75
7-8 "	2.61	2.05	2.25
1 "	3.40	2.67	2.75
1-8 "	4.34	3.38	3.66
1-4 "	5.32	4.17	4.55
1-3 "	6.44	5.05	5.50
1-2 "	7.67	6.00	6.45
1-5 "	9.00	7.05	7.75
1-3-4 "	10.44	8.17	9.20
1-7-8 "	11.98	9.38	10.04
2 "	13.63	10.68	11.60
2-1-4 "	17.20	13.51	14.75
2-1-2 "	21.20	16.68	17.85
2-3-4 in.	25.70	20.19	21.85
3 "	30.60	24.03	25.00
3-1-4 "	35.90	28.20	.....
3-1-2 "	41.65	32.70	.....
3-3-4 "	46.70	37.54	.....
4 "	54.40	42.72	.....
4-1-2 "	68.85	54.06	.....
5 "	85.00	66.75	.....

STEEL.

Spring, - - - - - \$
 Tire, in Sets, - - - - -
 Sleigh Shoe, - - - - -
 Toe Calk, - - - - -
 Plowshear, round and square edge, - - - - -
 Mould Board, - - - - -
 Square Bessemer, for Harrow Teeth, - - - - -

CAST STEEL.
Square, Round and Octagon, all sizes.
Bessemer Machinery, all sizes.

WEIGHT OF ONE FOOT OF BAR
 COPPER, SQUARE & ROUND,
 IN POUNDS AND DECIMALS.

Size.	Square.	Round.
1-16 in.	.015	.011
1-8 "	.06	.046
3-16 "	.134	.105
1-4 "	.235	.187
5-16 "	.375	.295
3-8 "	.54	.424
7-16 "	.735	.575
1-2 "	.960	.75
9-16 "	1.21	.95
5-8 "	1.51	1.17
11-16 "	1.81	1.42
3-4 "	2.15	1.7
7-8 "	2.95	2.3
1 "	3.84	3.01
1-8 "	4.86	3.85
1-4 "	6.00	4.73
1-3-8 "	7.27	5.70
1-1-2 "	8.64	6.80
1-5-8 "	10.15	8.00
1-3-4 "	11.70	9.24
2 "	15.35	12.01
2-1-2 "	.....	18.916
3 "	.....	27.243
3-1-2 "	.....	37.080
4 "	.....	48.433

CANADA PLATES

Sizes

18 x 21 inches

18 x 24 inches

112 lb. boxes.

TIN PLATES

CHARCOAL TIN PLATES.

I. C.	8 x 8
I. C.	12 x 12
I. C.	10 x 14
I. C.	14 x 14
I. C.	10 x 20
I. C.	14 x 20
I. C.	10 x 28
I. C.	20 x 28

I. X.	8 x 8
I. X.	12 x 12
I. X.	10 x 14
I. X.	14 x 14
I. X.	10 x 20
I. X.	14 x 20
I. X.	10 x 28
I. X.	20 x 28

BEST TINNED SHEET IRON

30 x 72	No. 24	26	28 wire gauge
36 x 72	No. 24	26	wire gauge
36 x 84	No. 24	26	wire gauge

SHEET COPPER

Ounces	12	14	16	12	14	16
Wire gauge	26	25	24	26	25	24
Size	14 x 48	14 x 48	14 x 48	14 x 60	14 x 60	14 x 60
	Tinned per lb., \$			Planished per lb., \$		

BAR LEAD

Bar Lead	per 100 lbs., \$
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LEAD PIPE

Lead Pipe	per pound, 7 cents
Discount	

CALIBRE AND WEIGHT OF LEAD PIPE.

Calibre.	Weight per yard. Lbs.	Average length. Yards.	Calibre.	Weight per yard. Lbs.	Average length. Yards.
3/8 in. light	3	40	1 in. extra strong	9 and 10	20
strong	4	30	1 1/4 in. extra light	6	20
1/2 in. extra light	3 1/2	35	light	8	15
light	4	30	medium	10	20
medium	4 1/2	27	strong	12	17
strong	5	24	extra strong	14	10
extra strong	6 and 7	28 and 20	1 1/2 in. extra light	9	22
1/2 in. light	4 1/2	27	light	11	18
medium	5	24	medium	12	17
medium	6	20	strong	14	15
strong	7	18	extra strong	16 and 18	17 and 15
extra strong	8 and 9	22	1 3/4 in. light	14	20
3/4 in. extra light	5	20	medium	16	17
light	6	20	strong	18	15
medium	7	18	extra strong	20	14
strong	8	25	2 in. extra light	16	17
extra strong	7 and 10	20	light	18	15
1 in. extra light	5	24	medium	20	12
light	6	20	strong	22	10
medium	7	18	extra strong	24	9
strong	8	15			

WIRE

PRICE LIST OF IRON WIRE AND TABLE OF THE SIZE, WEIGHT, LENGTH AND STRENGTH OF IRON WIRE.

Size on Wire Gauge.	Full Size of the Wire. Imperial Standard Wire Gauge Diameter.	DIAMETER.		WEIGHT OF 1 S.W.G.		Length of cwt. 112 lbs. 1 S.W.G.	BREAKING STRAINS		PRICE PER ONE HUNDRED POUNDS.						Size on Wire Gauge.
		I. S. W. G. Inch.	Birm'g' ham W.G. inch.	100 Yards.	1 Mile.		Annealed.	Bright.	Bright Tinman's	Anneal'd	Oiled and Annealed.	Galvan- ized.	Cop'er'd		
000		.372	.425	107.1	185	105	5700	8694	\$2.00	\$	\$2.7	\$3	\$3.10	000	
00		.348	.380	93.7	154	120	5072	7608	2.60	2.65	2.70	3.25	3.10	00	
0		.324	.340	82.2	1429	138	4397	6595	2.60	2.65	2.70	3.25	3.10	0	
1		.300	.300	69.6	1225	161	3770	5655	2.60	2.65	2.70	3.25	3.10	1	
2		.276	.284	58.9	1037	190	3190	4785	2.60	2.65	2.70	3.25	3.10	2	
3		.252	.259	49.1	864	228	2660	3990	2.60	2.65	2.70	3.25	3.10	3	
4		.232	.238	41.6	732	269	2254	3381	2.60	2.65	2.70	3.25	3.10	4	
5		.212	.220	34.8	612	322	1883	2824	2.60	2.65	2.70	3.25	3.10	5	
6		.192	.203	28.5	502	393	1544	2316	2.60	2.65	2.70	3.25	3.10	6	
7		.176	.180	24	422	467	1298	1946	2.60	2.65	2.70	3.25	3.10	7	
8		.160	.165	19.8	348	566	1072	1608	2.60	2.65	2.70	3.35	3.10	8	
9		.144	.148	16	282	700	869	1303	2.65	2.75	2.80	3.50	3.15	9	
10		.128	.134	12.7	223	882	687	1050	2.75	2.90	2.95	3.65	3.25	10	
11		.116	.120	10.4	183	1077	564	845	2.85	3.00	3.05	3.85	3.85	11	
12		.104	.109	8.4	148	1333	454	680	2.95	3.10	3.15	4.00	3.95	12	
13		.092	.095	6.5	114	1723	355	532	3.00	3.15	3.20	4.20	4.00	13	
14		.080	.083	5	88	2240	268	402	3.15	3.35	3.40	4.50	4.15	14	
15		.072	.072	4	70	2800	218	326	3.35	3.60	3.65	4.80	4.35	15	
16		.064	.065	3.2	56	3500	172	257	3.65	3.95	4.00	5.30	4.65	16	
17		.056	.058	2.4	42	4667	131	197	3.80	4.10	4.15	5.50	5.30	17	
18		.048	.049	1.8	32	6222	97	145	4.05	4.35	4.40	6.00	5.60	18	
19		.040	.042	1.2	21	9333	67	100	4.35	4.65	4.70	6.75	6.00	19	
20		.036	.035	1	18	11200	55	82	.....	.....	.....	.....	.....	20

EXTRAS.

Steel Wire—Ordinary, 10c per 100 lbs.; Best, 65c per 100 lbs. Spring Wire—Ordinary, 25c per 100 lbs.; Best, 65c per 100 lbs. NET. Telegraph, Telephone and other special qualities supplied on demand, also wire straightened and cut to length.

WEIGHT OF ONE HUNDRED FEET IRON, BRASS, STEEL, AND COPPER WIRE, IN POUNDS.

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	B.W.G.	
Iron...	23.85	21.37	17.78	15.	12.82	10.92	8.58	7.21	5.88	4.75	3.81	3.14	2.69	2.31	1.98	1.69	1.44	1.21	1.01	.89	.63	.47	.32	.27	.21	.17	.13	.085
Steel...	24.07	21.57	17.94	15.15	12.95	11.	8.66	7.28	5.88	4.80	3.85	3.17	2.71	2.32	1.99	1.71	1.46	1.22	1.02	.90	.64	.47	.33	.28	.21	.17	.13	.086
Copper	27.24	24.41	20.3	17.15	14.65	12.47	9.80	8.24	6.63	5.43	4.35	3.59	2.73	2.08	1.57	1.28	1.	.73	.53	.37	.31	.24	.19	.15	.12	.098		
Brass...	25.73	23.06	19.18	16.19	13.84	11.78	9.26	7.78	6.26	5.13	4.11	3.40	2.58	1.96	1.48	1.21	.96	.69	.50	.35	.29	.22	.18	.14	.11	.092		

COPPERED STEEL SPRING WIRE.

Nos. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 B. W. Gauge.
Per 100 lbs. \$

BRASS SPRING WIRE.

Nos. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 B. W. Gauge
Per 100 lbs. \$

ANNEALED COPPER WIRE.

Nos. 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 B. W. Gauge
Per 100 lbs., \$

BRASS SNARE WIRE.

Brass Snare Wire, Nos. 24 and 28 - - - - - per 100 lbs., \$

HAIR WIRE.

ON SPOOLS.



One Dozen Spools in Box, assorted, Nos. 28 30 32
Per Dozen, \$

FENCING WIRE.

GALVANIZED.

Spools 95 to 115 lbs. Half Reels, 50 to 65 lbs.



A.—Four Barbs, six inches apart, per 100 lbs., \$
B.—Four Barbs, four inches apart, per 100 lbs., \$



2 BARB.

G.—Two Barbs, five inches apart, per 100 lbs., \$
H.—Two Barbs, 2½ inches apart, per 100 lbs., \$

FENCING WIRE

GALVANIZED.



C.—Plain Twist, 2 wires

per 100 lbs., \$



D.—Plain Twist, 3 wires

per 100 lbs.,



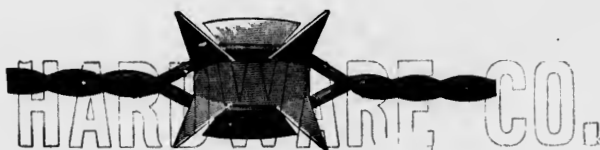
E.—Thorn Fencing, Twisted Steel Strip Barbed

per 100 lbs.,



F.—Ribbon Fencing, Twisted Steel Strip, $\frac{3}{8}$ inch wide, per 100 lbs.,

TABLET FENCING



J.—Tablet, 1 inch, and 5 inches apart

per 100 lbs., \$

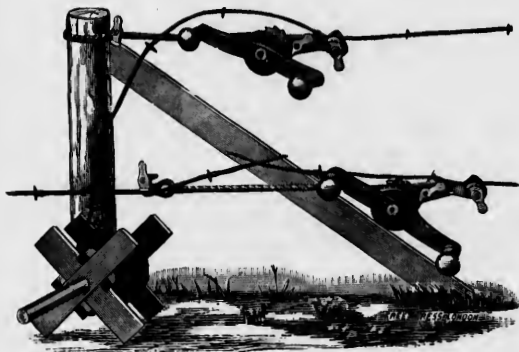
K.—Tablet, $1\frac{1}{2}$ inch, and 9 inches apart

per 100 lbs.,

TABLE OF WEIGHTS.

GALVANIZED.	1 ROD $16\frac{1}{2}$ FEET.		1 ACRE 165 FEET.		1 MILE 5,280 FEET.	
	1 Strand.	2 Strand.	1 Strand.	2 Strand.	1 Strand.	2 Strand.
	Ounces.	lbs.	lbs.	lbs.	lbs.	lbs.
A—4 barbs, 6 inches.....	17½	2 3-16	11	22	352	704
B—4 barbs, 4 inches.....	19½	2 7-16	12	24	384	768
C—Plain Twist, 2 wires.....	15	1 7-8	9	18	288	576
D—Plain Twist, 3 wires.....	22½	2 13-16	14	28	448	896
E—Thorn.....	22½	2 13-16	14	28	440	880
F—Twisted Strip.....	19½	2 7-16	12	24	384	768
G—2 barbs, 5 inches.....	17½	2 3-16	11	22	352	704
H—2 barbs, $2\frac{1}{2}$ inches.....	19½	2 7-16	12	24	384	768
J—Tablet, 1 inch.....	27	3 3-8	17	34	540	1080
K—Tablet, $1\frac{1}{2}$ inch.....	27	3 3-8	17	34	540	1080

BARB WIRE STRETCHERS



"SAMPSON"

WIRE STRETCHER AND SPLICER.

Per dozen - - - - - \$



"HERCULES"

BARB WIRE STRETCHER.

Per dozen - - - - - \$

COMBINED WIRE STRETCHER AND CROW BAR.



Combined Wire Stretcher and Crow Bar - - - - - per dozen, \$

GALVANIZED STEEL FENCE STAPLES.



Galvanized Steel Fence Staples, 1, 1 1/4, 1 1/2, 1 3/4, 2 inch - - - - - per pound, cents.

CHAINS.

SHORT LINK COIL CHAIN.

SIZE AND WEIGHT PER 100 FEET, PROOF STRAIN, ADMIRALTY TEST, ETC.

SIZE OF CHAIN	WEIGHT PER 100 FEET.	PROOF STRAIN.	PRICE PER 100 LBS.	SIZE OF CHAIN.	WEIGHT PER 100 FEET.	PROOF STRAIN.	PRICE PER 100 LBS.
1-8 in., light.	20 lbs.	.....	.....	9-16	315 lbs.	8400 lbs.	.....
1-8 " ordinary.	30 "	.....	.....	5-8	413 "	10360 "	.....
3-16 " light.	38 "	.....	.....	3-4	500 "	15120 "	.....
3-16 inch.	44 "	600 lbs.	.....	7-8	700 "	20440 "	.....
1-4 "	52 "	1120 "	.....	1-1-8	950 "	26880 "	.....
5-16 "	98 "	2240 "	.....	1-1-4	1200 "	34160 "	.....
3-8 "	148 "	3640 "	.....	1-3-8	1800 "	42000 "	.....
7-16 "	198 "	5040 "	.....	1-1-2	2080 "	.....	.....
1-2 "	260 "	6720 "	.....			

REPAIRING LINKS.

Per Gross, \$ 3-16 1-4 5-16 3-8

LOGGING CHAINS.

14 feet long, 5-16 and 3 8 Chain with 1 grab and 1 open hook.

BRIGHT TWISTED COIL CHAIN.

No. 000 00 0 1 2
Per 100 feet, \$

TRACE CHAINS, TWISTED AND STRAIGHT.

Per dozen pairs, \$ 7 x 10 x 2 7 x 10 x 3 6 1/2 x 10 x 7 6 1/2 x 10 x 3

TUG CHAINS, TWISTED AND STRAIGHT.

Per dozen pairs, \$ 3 1/2 x 10 x 1 3 1/2 x 10 x 2 3 1/2 x 10 x 3

HALTER CHAINS.



No. 0000 000 00 1 2 3 4 5 6 7 8
4 1/2 feet, per dozen, \$
6 feet, per dozen,

LONDON
DOG CHAINS.

No. 0 1 2 3 4 5 6 7 8
6 feet, per dozen, \$

AMERICAN CHAINS



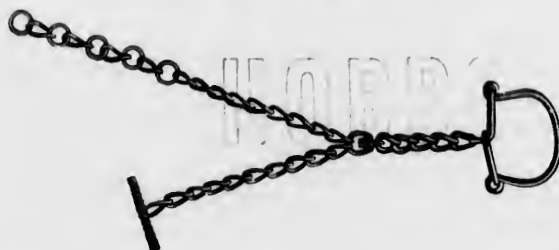
HALTER CHAINS.

Nos.	000	00	0	1	2	3	4	5	6	7
4½ feet, per dozen, \$										
6 feet, per dozen,										

DOG CHAINS—NICKEL PLATED.

Nos.	8	9	10	11
4½ feet, per dozen, \$				
6 feet, per dozen,				

COW CHAINS



No. 1	Solid Ring, 4 inch, $3\frac{1}{2}$ x 8 x 5, with T	per dozen, \$
No. 2	Solid Ring, 4 inch, $3\frac{1}{2}$ x 8 x 4, with T	per dozen,
No. 3	Solid Ring, 4 inch, $3\frac{1}{2}$ x 8 x 2, with T	per dozen,
No. 4	Solid Ring, 4 inch, $3\frac{1}{2}$ x 8 x 4, with Snap	per dozen,
No. 5	Open Ring, 4 inch, $3\frac{1}{2}$ x 8 x 5, with T	per dozen,
No. 6	Open Ring, 4 inch, $3\frac{1}{2}$ x 8 x 4, with T	per dozen,
No. 7	Open Ring, 4 inch, $3\frac{1}{2}$ x 8 x 3, with T	per dozen,
No. 8	Open Ring, 4 inch, 4 x 8 x 1, with T	per dozen,
No. 9	Open Ring, 4 inch, $3\frac{1}{2}$ x 8 x 3, with Snap	per dozen,
No. 0	Open Ring, 4 inch, 4 x 8 x 0, with T, Extra Heavy	per dozen,
No. 00	Solid Ring, $2\frac{1}{2}$ inch, $3\frac{1}{2}$ x 8 x 3, with T	per dozen,
No. 01	Walton Pattern, $4\frac{1}{2}$ x 8 x 4, with T	per dozen,
No. 02	Walton Pattern, $4\frac{1}{2}$ x 8 x 3, with T	per dozen,
No. 03	Walton Pattern, $4\frac{1}{2}$ x 8 x 2, with T	per dozen,

JACK CHAINS



Nos. 2 0 8
SAFETY. SAFETY. JACK.

BRASS AND IRON JACK CHAIN.

PER PACKAGE OF TWELVE YARDS.

Nos.	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Iron, \$	3 20	2 60	2 20	1 90	1 65	1 40	1 20	90	75	65	55	50	45	42	40	38	36	34	34	34
Brass, 9	00	7 50	6 25	5 25	4 50	3 75	3 20	2 50	2 05	1 70	1 40	1 25	1 10	1 00	85	70	60	55	55	55
Silvered,				8 50	7 00	5 50	4 50	3 75	3 20	2 85	2 25	2 10	1 89	1 60	1 50	1 35	1 25	1 15	1 15	1 15

DOUBLE JACK CHAIN

Nos.	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Iron, \$	3 95	3 55	3 25	3 00	2 75	2 00	1 70	1 45	1 30	1 05	95	90	87	85	80	80	75
Brass,					8 00	6 50	5 45	4 65	3 00	2 55	4 25	1 95	1 50	1 40	1 20	1 20	1 15
Silvered,					10 50	8 75	7 45	6 00	4 50	3 75	3 25	2 90	2 50	2 10	1 80	1 80	1 75

SAFETY CHAIN.

Nos.	000	00	0	1	2	3
Iron, \$	1 75	2 25	2 50	3 12	4 68	6 36
Brass,						8 00
Silvered,	2 50	3 00	3 25	4 68	5 75	

LADDER CHAIN.

No. 18	Brass, per dozen yards	\$2 25
No. 17	Brass, per dozen yards	2 50

REVOLVING CLOSE TOP PITCHER PUMP

FOR LEAD OR IRON PIPE.



FIG. 1—No. 1.



FIG. 1—No. 3.



FIG. 1—No. 4.

- | | | |
|-------|-------------------------------|--|
| No. 1 | 2½ inch bore for 1 inch pipe | |
| No. 2 | 3 inch bore for 1¼ inch pipe | |
| No. 3 | 3½ inch bore for 1½ inch pipe | |
| No. 4 | 4 inch bore for 1¾ inch pipe | |

\$4	25
4	75
5	25
5	75

If Brass Tail Piece is not wanted deduct 25 cents from List.

IRON CISTERN PUMP

WITH BRASS VALVE SEAT, UNION COUPLING, BOLTED BASE AND REVOLVING FULCRUM.

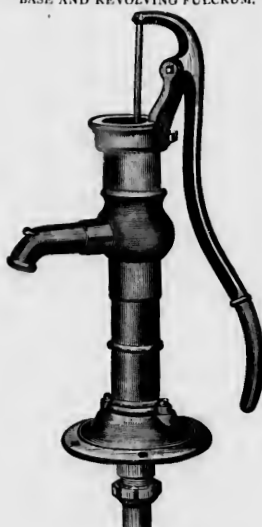


FIG. 2.

REVOLVING FULCRUM CISTERN PUMP

NEW STYLE, WITH BRACKETS AND BRASS VALVE SEAT.



FIG. 3.

- | | | |
|-------|-------------------------------|--|
| No. 1 | 2½ inch bore for 1 inch pipe | |
| No. 2 | 3 inch bore for 1¼ inch pipe | |
| No. 3 | 3½ inch bore for 1½ inch pipe | |

\$4	50
5	50
7	00

- | | | |
|-------|-------------------------------|--|
| No. 1 | 2½ inch bore for 1 inch pipe | |
| No. 2 | 3 inch bore for 1¼ inch pipe | |
| No. 3 | 3½ inch bore for 1½ inch pipe | |

4	50
5	50
7	00

NEW CISTERN FORCE PUMPS



FIG. 5.

FIG. 5 represents our new Cistern Force Pump, with brass pet cock below the spout for emptying the pipes before removing the clevis. We always furnish a hose clevis with above Pump, same as shown above, marked A.

SIZES AND PRICES.

No. 1—2½ inch bore for 1 inch pipe	\$6 75
No. 2—3 inch bore for 1¼ inch pipe	7 75
No. 3—3½ inch bore for 1½ inch pipe	8 75

Deduct 25 cents from List if Brass Tail Piece is not wanted.

HARDWARE CO.



FIG. 6.

FIG. 6 shows our new Cistern Force Pump with a faucet instead of spout, and is tapped in the back for attaching the pipe for forcing the water overhead. The faucet has a brass plug, finely finished, and the Pump is in all respects first-class.

LONDON

SIZES AND PRICES.

No. 1—2½ inch bore for 1 inch pipe	\$8 50
No. 2—3 inch bore for 1¼ inch pipe	9 50
No. 3—3½ inch bore for 1½ inch pipe	10 50

Improved Windmill Standard, Underground Pump.

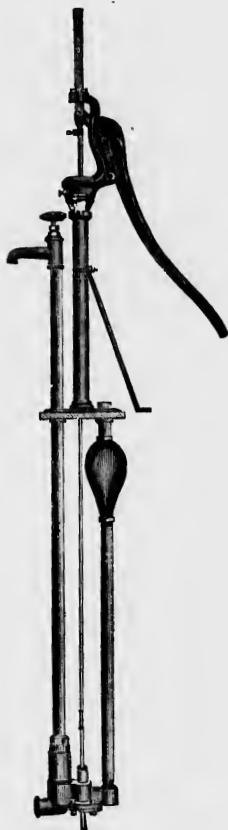


FIG. 7.

Heavy Revolving Open Top Set-Length Pump.



FIG. 8.

Windmill Top Set-Length Pump.



FIG. 10.

Fig. 7, with Three-Way Cock.

This cut represents our underground Pump. The air-chamber connects just below the base, and the cut-off at bottom below air-chamber. Base and cap is connected with two-inch pipe. The wheel above the spout is used to change the direction of water, which connects with a valve by a rod passing through the stuffing box. The three-way cock is three feet below the platform; as also is the working parts of this Pump.

Fig. 8

Fig. 8 represents a heavy Set-length Pump, generally used for shallow wells, drive wells and out-door cisterns. It may be used in wells from 30 to 50 feet deep by lowering cylinder within 20 feet of the water. Furnished with three feet of $1\frac{1}{4}$ inch wrought iron pipe below base as in cut. Tapped to receive pipe at spout. Longer than ordinary set-lengths, charged extra for pipe and labor. The standard here shown is same as Fig. 18 on page 625. We use the best American leather obtainable in all our valves.

Fig. 10

Fig. 10 represents a Set-length Pump for hand and windmill use. Has three feet of wrought iron pipe below base. Pipe screws into standard at spout. This Pump is fitted with our special friction slides in cap and guide, which are loose and can be replaced when worn through. For longer than the usual set-length an extra charge will be made for pipe and labor in fitting up.

SIZES AND PRICES. FIG. 7.

No. 1.—Complete, as shown in cut, **\$18 00**
Without three-way cock **10 00**
For cylinders to go with this Pump, see
page 631.

SIZES AND PRICES. FIG. 8.

No. 2.—With $2\frac{1}{2}$ x 10 cylinder **\$ 8 75**
No. 4.—With 3 x 10 cylinder **9 25**
No. 6.—With $3\frac{1}{2}$ x 10 cylinder **9 75**
No. 7.—With 4 x 10 cylinder **10 25**

With Foot Valve and Strainer, add \$1.50.

SIZES AND PRICES. FIG. 10.

No. 2.—With $2\frac{1}{2}$ x 10 cylinder **\$ 9 50**
No. 4.—With 3 x 10 cylinder **10 00**
No. 6.—With $3\frac{1}{2}$ x 10 cylinder **10 50**
No. 7.—With 4 x 10 cylinder **11 00**

Hand and Windmill Pump.**Windmill and Hand Pump.****Set-length Force Pump.**

THIS IS NOT A FORCE PUMP.

EXTRA HEAVY.

NEW.



FIG. 9.



FIG. 11.



FIG. 12.

FIG. 9 represents a Hand and Windmill Standard; has close revolving top, allowing lever or handle to be placed in any required position; it is made strong and well finished; tapped at spout for 1 1/4 inch pipe. This Pump is fitted with our loose friction slides, which can be replaced when worn through.

PRICE.

With Brace, as in cut

\$7 50

FIG. 11.

FIG. 11 represents a medium and deep well Standard for hand and windmill use, with close revolving top, being heavy and strongly made; and when used in deep wells we can furnish long handles and balls, if wanted, at a small additional cost. The pipe screws in Standard at spout, and tapped for 1 1/4 inch pipe, unless specially ordered, same as all our Standards. It is furnished with brace, and is in every way complete. Fitted with friction pieces in Cap and Guide, thus preventing wear of these parts. The handles in all our Pumps are hung with turned pins, instead of common bolts, as in other makes.

Cylinders listed on page 631.

PRICE.

With Brace, as in cut

\$7 50

FIG. 12.

FIG. 12 represents a Windmill Set-length Force Pump, furnished with brace and hose clevis, as shown in cut, and also furnished with three feet of pipe below base. The air chamber is combined in the Standard instead of being placed on the discharge. This Pump can be used for wells of any depth up to 100 feet. It combines the principles of atmospheric pressure or suction with the Force Pump. Hose can be easily connected, and it is readily converted into a very efficient fire engine, or adapted to any of the many uses for which a first-class Force Pump is usually designed. It is tapped to receive the gas pipe just below the spout.

SIZES AND PRICES.

- No. 2—With 2 1/2 x 10 inch Cylinder
 No. 4—With 3 x 10 inch Cylinder
 No. 6—With 3 1/2 x 10 inch Cylinder
 No. 7—With 4 x 10 inch Cylinder

\$13 00
 13 50
 14 50
 15 00

With 3 feet of Hose and Discharge Pipe, add \$3.

**New Hand and Windmill Force
Pump Standard.**
WITH PIPE ATTACHMENT.



FIG. 17.

**Hand and Windmill
Pump.**

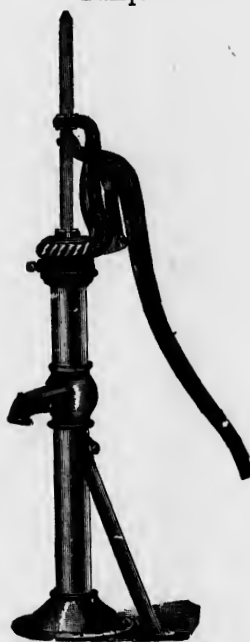


FIG. 19.

**Light Hand and Windmill
Pump.**



FIG. 25.

Fig. 19

Fig. 19 represents a Hand and Windmill Standard, with close revolving top. Furnished with brace, as shown in Cut Tapped to receive pipe at spout, and fitted with Friction pieces and Duplex Handle movement.

This Standard makes an excellent Hand Pump, and can be used for quite heavy Windmill use. It is fitted up in the very best manner, and is in every way complete.

With brace, as in Cut - - - - - **PRICE.** - - - - - **\$7 00**
Cylinders listed on page 631. This Standard is the same as Fig. 19, page 622.

Fig. 17

Fig. 17 represents a Force Pump Standard fitted for Hand and Windmill use, and furnished with pipe attachment, as shown in Cut.

These Pumps are fitted up in the very best manner and are in every way complete. Pipe screws into Standard at spout, and always tapped for $1\frac{1}{4}$ inch pipe unless otherwise ordered.

Can furnish long handle and ball, if desired, at a small additional cost.

PRICE.

Standard and brace only - - - - - **\$11 50**
" " with pipe attachment - - - - - **14 50**

Without brace, deduct 50c. from List price. Has Friction Slide pieces and Duplex Handle Bearings.

Fig. 25

Fig. 25 represents a light Hand and Windmill Standard, tapped at spout. Has revolving cap and lever, and furnished with brace, as shown in Cut. Our Standards are made from first-class material, and fitted with loose friction slides in cap and arm where the bar works.

PRICE.

With brace, as in Cut - - - - - **\$6 50**

This is the same Standard as Fig. 26. Cylinders listed on page 631.

Light Hand and Windmill Pump.



FIG. 25.

Revolving Open Top Pump.



FIG. 18.

Revolving Open Cap Pump.



FIG. 27.

FIG. 25 represents a light Hand and Windmill Standard, tapped at spout, same as all our make; has revolving cap and lever, and furnished with brace, as shown in cut, and is in every way complete. Our Standards are made from first-class material, and are all finished in a workmanlike manner and fitted with loose friction slides in cap and arm where the bar works.

PRICE.

With Brace, as in cut

\$6 50

Cylinders listed on page 631.

FIG. 18

FIG. 18 represents an Open Top Pump, only differing from Fig. 27 that it is a heavier Standard and is suitable for much heavier work. Cylinder should be used according to depth of well and quantity of water required. Tapped to receive pipe at spout, same as all our make.

PRICE.

With Brace, as in cut

\$6 00

Cylinders listed on page 631.

FIG. 27

FIG. 27 represents an Open Cap Pump, tapped to receive pipe at spout; has revolving cap, same as all our make, allowing handle to be placed in any required position; furnished with brace, as shown in cut. All parts of our Pumps are interchangeable and finished in the best manner.

PRICE.

With Brace, as in cut

\$5 50

Cylinders listed on page 631.

Engine, Windmill and Hand Force Pump.

Force Pump Standard.



FIG. 13.



FIG. 30.

Iron Cock, with Brass Plug, \$3 extra.



A.

Hose Clevis.



FIG. 14.

FIG. 13.

FIG. 13 represents our Engine, Windmill and Hand Force Pump. It is intended for wells not exceeding 30 feet in depth, but its strength is amply sufficient for service in wells of twice that depth. It will force water in any desired direction, while as an efficient engine for extinguishing fires, watering lawns, washing windows, carriages, etc., it is without an equal. It is equally serviceable as a Lift Well Pump. By means of a bolt or pin, the lever or handle is readily disconnected.

PRICE

With Goose Neck (as in Cut)	\$12 00
With Straight Coupling for Hose,	12 00
For Iron Cock (Fig. 30) with Brass Plug, add \$3.00 to List.	

All our Force Pumps are fitted with Friction Slides for Bar.

FIG. 14.

FIG. 14 represents a Force Pump Standard fitted for hand and windmill use, furnished with brace and hose clevis, as shown in Cut. Can furnish long handle and ball at small additional cost, if desired.

The manner of attaching hose is simple and effective, and does away with corks and other extras, which only add to the cost; in addition, there are no threads to fill with dirt and grit, strip or wear out. By use of our Hose Clevis, marked "A" in Cut, hose can be attached without the use of a wrench, directly to the spout of the pump, and the full size of the opening preserved.

PRICE.

With brace as in Cut	\$11 00
Cylinders listed on page 631.	

Fitted with loose friction slides, and handle hung on turned pins.

FORCE PUMP STANDARD.

HAND AND WINDMILL FORCE PUMP.

HOBBS



FIG. 15.



Hose Clevis



FIG. 16.

WITH PIPE ATTACHMENT.

FIG. 15 represents a Force Pump Standard fitted for Hand and Windmill use, and furnished with pipe attachment, as shown in cut. These Pumps are fitted up in the very best manner, and are in every way complete. Pipe screws into Standard at spout, and always tapped for $1\frac{1}{4}$ inch pipe unless otherwise ordered. Can furnish long handle and ball, if desired, at a small additional cost. (See page 631 for Cylinders.)

PRICE.

With Faucet and Back Attachment	\$17 00
Without Faucet and with Hose Coupling only	15 00
With Goose Neck	16 00

Without Brace, deduct 50 cents.

Always fitted with loose friction slides for Bar and Handle. Hung on pins instead of bolts.

FIG. 16

FIG. 16 represents a Force Pump Standard fitted up for Hand and Windmill use; has turned and polished piston bars, brass stuffing box, and tapped in rear for back attachment if at any time desired; also furnished with hose clevis, as shown in cut. Tapped at spout, same as all our Standards, for $1\frac{1}{4}$ inch pipe, unless otherwise ordered. Can furnish long handle and ball, if so desired, at small extra cost. (Cylinders listed on page 631.)

PRICE.

With Brace, as in cut	\$11 50
-----------------------	---------

Fitted with loose friction slides and Duplex Handle Bearings, same as all our best Pumps.

EXTRA HEAVY FORCE PUMP STANDARD



FIG. 30.



FIG. 49.

FIG. 30.

FIG. 30 represents an Iron Cock with brass plug, of which we make two sizes, as follows :

SIZES AND PRICES.

No. 1 Cock, for the smaller sizes of House and Force Pumps, with thread cut for 1 inch hose coupling
 No. 2 Cock, made with threads for $1\frac{1}{4}$ inch hose coupling, and designed for larger sized Pumps

\$2 50
 3 00

FIG. 31.

No. 1—1 inch
 No. 2— $1\frac{1}{4}$ inch

\$0 50
 0 75

FIG. 49.

FIG. 49 represents a Force Pump Standard fitted for Hand and Windmill use. It may be used in any depth well ; has long handle and ball ; tapped in rear for back attachment, if at any time desired ; has a high spout—about $3\frac{1}{2}$ inches higher than any Force Pump shown in our Catalogue. This Pump is largely used in tubular wells, and when so used is tapped for 2 inch pipe and arranged for 10 inch stroke. Tapped to receive pipe at spout for $1\frac{1}{4}$ inch pipe, unless otherwise ordered.

PRICE.

With Brace, as in cut
 With 10 inch stroke

\$13 00
 14 50

Cylinders listed on page 631.

Goose Neck.



FIG. 31.

Force Pump on Base, Air Chamber with Two Outlets.

COCK ON SIDE OUTLET.



FIG. 20.

Force Pump, on Base, with Air-Chamber.

WITH TWO OUTLETS.



FIG. 21.

Fig. 20.

FIG. 20 shows our No. 3 Force Pump with a cock attached to the side outlet—a very useful addition to Fig. 21, which see for full description. These Pumps can be adapted for attaching to power as well as for hand use desired. They are rendered anti-freezing by raising the lever to its full height, thereby tripping all the valves below the check-valve under the air-chamber, and by opening the cock all water remaining in the air-chamber or pipes above it will be drawn off. Handle has duplex movement, same as all our Force Pumps. All our threads are cut to exact gauges, so that repairs always fit.

SIZES, CAPACITY AND PRICES.

IRON.

No. 1—2½ inch Cylinder, capacity per stroke ½ gallon for 1½ inch pipe	\$12 50
No. 2—3 inch Cylinder, capacity per stroke ¾ gallon for 1½ or 1¾ inch pipe	14 50
On Plank, same prices.	

BRASS LINED CYLINDERS.

No. 1—2½ inch Cylinder, capacity per stroke ½ gallon for 1½ inch pipe	\$17 50
No. 2—3 inch Cylinder, capacity per stroke ¾ gallon for 1½ or 1¾ inch pipe	18 50
For 3 feet of Hose and Discharge Pipe add \$3.00.	

Fig. 21.

FIG. 21 shows our House Force Pump with air-chamber. It will be seen that with this arrangement water can be forced in two, or either of two directions, and to any reasonable distance. By the addition of a cock attached to the horizontal discharge its usefulness can be greatly increased, as it can then be used as a Tank Pump for filling bath tubs, wash basins, etc., in upper rooms, as well as for the ordinary Cistern Pump in the kitchen. The Pumps of this class are built in the most careful and substantial manner and of the best materials. These Pumps are easily adapted to any location. The lever can be revolved to any desired position and held firmly in place. It can also be left loose without danger of injury, and swung out of the way when not in use. Handle has duplex movement. All our threads are cut to exact gauges, so that repairs always fit.

SIZES, CAPACITY AND PRICES.

IRON.

No. 1—2½ inch Bore, capacity per stroke ½ gallon for 1½ inch pipe	\$11 00
No. 2—3 inch Bore, capacity per stroke ¾ gallon for 1½ or 1¾ inch pipe	13 00
On Plank, same prices.	

BRASS LINED CYLINDERS.

No. 1—2½ inch Bore, capacity per stroke ½ gallon for 1½ inch pipe	\$16 00
No. 2—3 inch Bore, capacity per stroke ¾ gallon for 1½ or 1¾ inch pipe	17 00
For 3 feet of Hose and Discharge Pipe add \$3.00.	

**Force Pump, on Base or Plank,
WITH FIRE ENGINE ATTACHMENTS.**



FIG. 22.

Fig. 22 represents substantially the same Pump as Fig. 20, with additions increasing its usefulness, making it at will an efficient Fire Engine, or very serviceable in all cases requiring water to be thrown with force to a greater or less distance. For use in livery stables, carriage houses, warehouses and private dwellings. An excellent Cistern Pump, hose can be attached very quickly, and a constant stream thrown to a distance of 50 feet horizontally by the power of one man. When used as a common Lift Pump, the vent-nut should be unscrewed two or three turns. If required as a Force Pump, screw the nut down tightly. The piston-rod, stuffing box and valve seat are all of brass.



FIG. 31.

**Shallow Well Set-Length Pump,
WITH REVOLVING TOP.**



FIG. 24.

SIZES, CAPACITY AND PRICES. (FIG. 22).

IRON.

No. 1.—2½ inch Cylinder, capacity per stroke ½ gallon, for 1¼ inch pipe	\$12 50
No. 2.—2½ inch Cylinder, capacity per stroke ½ gallon, for 1¼ or 1½ inch pipe	14 50

BRASS LINED CYLINDERS.

No. 1.—2½ inch Cylinder, capacity per stroke ½ gallon, for 1¼ inch pipe	\$17 50
No. 2.—3 inch Cylinder, capacity per stroke ¾ gallon, for 1¼ or 1½ inch pipe	19 00

For three feet of Hose and Discharge Pipe, add \$3 to list price.

Fig. 24

FIG. 24 represents a Set-length Pump. The pipe screws into the Standard at the spout, and furnished with three feet of wrought iron pipe below base. Can be used in wells from 30 to 40 feet deep.

SIZES AND PRICES.

(AS SHOWN IN CUT).

No. 2.—With 2½ x 10 Cylinder	\$8 50
No. 4.—With 3 x 10 Cylinder	9 00
No. 6.—With 3½ x 10 Cylinder	9 50

IRON PUMP CYLINDERS



CYLINDER PRICE LIST.

IRON CYLINDERS.

2 1/2 x 10	\$4 35	3 1/2 x 12	\$8 00	2 1/2 x 14	\$6 50	3 x 16	\$8 00
3 x 10	5 00	4 x 12	9 00	3 x 14	7 50	3 1/2 x 16	9 00
3 1/2 x 10	5 00	2 1/2 x 13	6 25	3 1/2 x 14	8 50	4 x 16	10 00
4 x 10	6 25	3 x 13	7 25	4 x 14	9 50	3 x 18	8 75
2 1/2 x 12	6 00	3 1/2 x 13	8 25	2 x 16	6 00	3 1/2 x 18	9 75
3 x 12	7 00	4 x 13	9 25	2 1/2 x 16	7 00	4 x 18	10 75

BRASS LINED AND BRASS BODY CYLINDERS.

2 1/2 x 10	\$7 75	3 1/2 x 12	\$10 50	2 1/2 x 16	\$10 00	3 1/2 x 18	\$13 00
3 x 10	8 75	4 x 12	11 50	3 x 16	11 00	4 x 18	14 00
3 1/2 x 10	9 75	2 1/2 x 14	9 25	3 1/2 x 16	12 00	3 x 20	13 00
4 x 10	10 75	3 x 14	10 25	3 x 18	13 00	3 1/2 x 20	14 00
2 1/2 x 12	8 50	3 1/2 x 14	11 25	3 x 18	12 00	4 x 20	15 00
3 x 12	9 50	4 x 14	12 25				

BRASS BODY CYLINDERS AND BRASS PLUNGERS, WITH IRON ATTACHMENTS.

3 x 14	\$16 00	3 x 16	\$16 75	3 x 18	\$17 50	3 x 20	\$18 25
3 1/2 x 14	17 75	3 1/2 x 16	18 25	3 1/2 x 18	19 50	3 1/2 x 20	20 00
4 x 14	20 00	4 x 16	21 00	4 x 18	21 50	4 x 20	22 00

All our Cylinders are tapped for 1 1/4 inch pipe and Cylinder Stubs fitted for 3/4 couplings, unless otherwise ordered.

VALVES AND DRIVE WELL POINTS

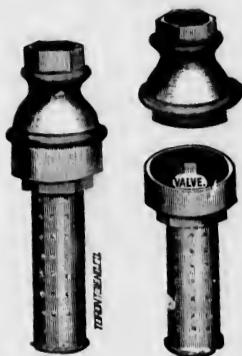


FIG. 32.

FOOT VALVE.

Fig. 32 shows our Improved Foot Valve and strainer, designed for attaching to the lower end of suction pipes, to relieve the upper working valves of the weight of the column of water when the pump is not in use. This Valve being at the bottom, not only prevents the water from passing back, but forms a support for that in the suction pipe, keeping it constantly so near the piston that the pump cannot fall in perfect operation under ordinary circumstances.

SIZES AND PRICES.

	Calibre.	Price.
No. 1.—Fitted for Wrought Iron Pipe	1 in.	\$2 00
No. 2.—Fitted for Wrought Iron Pipe	1 1/4 in.	2 25
No. 3.—Fitted for Wrought Iron Pipe	1 1/2 in.	2 50

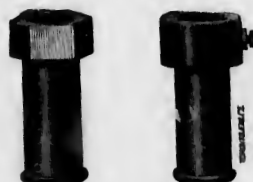


FIG. 33.

FIG. 34.

STRAINERS.

Fig. 33 represents a Strainer threaded for the ordinary sizes of Gas pipe.

SIZES AND PRICES

1, 1 1/4 and 1 1/2 inch	\$0 35
-------------------------	--------

Fig. 34 represents a Strainer made large at the end to slip on over the pipe, and is held in place by a set screw, as shown in cut.

SIZES AND PRICES.

1, 1 1/4, and 1 1/2 inch	\$0 50
--------------------------	--------

CHECK VALVES.



FIG. 36

Fig. 36 represents a Check Valve for placing at any point in the suction pipe for relieving the upper working valves of the columns of water in the suction pipe. All furnished with brass Valve Seats

SIZES AND PRICES

No. 1.—Fitted for 1 1/4 inch pipe, each	\$1 50
No. 2.—Fitted for 1 1/2 inch pipe, each	1 75

DRIVE WELL POINTS

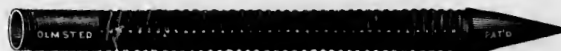
FIG. 43.

A.



This Cut shows the Malleable Radial Centre.

B.



This Cut shows the Radial Centre, wound with heavy galvanized wire, ready for putting on the wire gauze and brass jacket. A two-foot point of this kind will supply more water than any three-foot point made of pipe.

C.



This Cut shows the finished point.

In these points there is no possible chance for the wire gauze to be clogged up on the under side with clay or with any other substance. While it costs a little more to make Radial Centre Points than same size pipe points, you get a point with more than four times as much water surface under the gauze than you can get in any pipe point made, and this fact makes Radial Centre Points the cheapest to buy of any point in the market.

PRICES.

1 1/4 INCH POINTS.

No. 1.—2 feet long, 18 inch jacket, No. 60 gauge	\$4 75
No. 2.—2 feet long, 18 inch jacket, No. 80 gauge	5 75
No. 3.—20 inches long, No. 60 gauge	4 00
No. 4.—20 inches long, No. 80 gauge	5 00

CAST IRON SINKS

WITH ROUND BOTTOM AND SQUARE TOP.

PAINTED ON THE INSIDE.



SIZES AND PRICES.

14 x 25, depth 5 inches.	\$2 50 each	15 x 27, depth 5 inches.	\$2 90 each	18 x 36, depth 6 inches.	\$4 50 each
16 x 24, " 6 "	2 70 "	18 x 30, " 6 "	3 60 "	22 x 36, " 6 "	5 50 "
18 x 24, " 6 "	2 80 "	20 x 30, " 6 "	4 00 "	20 x 30, " 6 "	6 00 "



FOR STEAM, WATER AND GAS,
BLACK AND GALVANIZED LAP WELDED WROUGHT IRON PIPE.

INSIDE DIAMETER.	PRICE PER FOOT.	WEIGHT PER FOOT.	INSIDE DIAMETER.	PRICE PER FOOT.		WEIGHT PER FOOT.
				Black.	Galvanized.	
1-4 inch	\$0 06	.42	2½ inch	\$0 44	\$0 49	5.77
3-8 "	0 07	.56	3 "	0 58	0 64	7.54
1-2 "	0 08½	.85	3½ "	0 70	0 86	9.05
3-4 "	0 12	1.12	4 "	0 85	1 00	10.72
1 "	0 17	1.07	4½ "	1 00	1 25	12.42
1¼ "	0 22	2.25	5 "	1 20	1 50	14.56
1½ "	0 28	2.60	6 "	1 60	2 00	18.77
2 "	0 43	3.66				

Discount, Black

Discount, Galvanized

SPECIAL EXTRA STRONG WROUGHT IRON PIPE.
FOR PIPE FURNACES, BENDING, ETC.

INSIDE DIAMETER.	PRICE PER FOOT.	WEIGHT EXTRA STRONG.
3-4 inch	\$0 12	1.50
1 "	0 17	2.25
1¼ "	0 22	3.00
1½ "	0 28	3.38
2 "	0 43	4.75

FITTINGS

ELBOWS.

GAS.



STEAM.



REDUCING ELBOWS.

GAS.



STEAM.



STREET ELBOWS.

MALE AND FEMALE SCREW.



DROP ELBOWS.

MALE AND FEMALE.



REDUCING COUPLINGS.



COUPLINGS.

RIGHT HAND.



RIGHT AND LEFT.



CROSSES.



RETURN BENDS.

OPEN PATTERN.

CLOSE PATTERN.



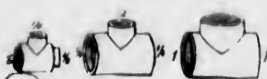
FITTINGS

TEES.

STEAM.



GAS.



CAPS.



BUSHINGS



PLUGS.



UNIONS.



NIPPLES.



CLOSE.



LONG.



SHOULDER.

BRANCH HEADER.



PIECE FITTINGS.

SIZE.	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4		
Nipples, close or shoulders, each	.05	.06	.07	.09	.10	.14	.17	.25	.56	.75	1.00	1.25
Nipples, long	.07	.09	.10	.11	.15	.20	.25	.35	.75	.95	1.25	1.60
Nipples, R. and L.	.10	.10	.12	.15	.18	.24	.30	.40	1.00	1.25	....	....
Couplings, Wrought Iron	.05	.06	.07	.10	.13	.17	.21	.28	.40	.60	.80	1.00
Flanges, " " " "	.14	.16	.20	.22	.25	.30	.33	.48	....	....	....	....
Pipe Bends " " " "	.11	.11	.13	.17	.24	.33	.42	.80	....	....	....	....
Flanges, Cast Iron	....	....	....	....	....	.36	.55	.75	.96	1.26	1.76	....
Bushings	....	.05	.06	.07	.09	.13	.17	.27	.42	.60	.80	1.00
Plugs	.03	.03	.04	.05	.06	.10	.13	.20	.35	.50	.75	.85
Flanged Unions	....	....	....	....	.70	.85	1.15	1.50	1.75	2.25	2.75	3.15
Malleable Unions	.15	.18	.20	.28	.34	.46	.60	.80	1.50	2.10	3.00	4.00
Stop Cocks, all Iron	.75	.80	.90	1.25	1.50	2.00	2.60	4.50	6.50	12.00	16.00	....
" " Brass Washers	....	.90	1.00	1.40	1.75	2.25	3.00	5.00	7.50	14.00	19.50	....
" " " Plugs	....	1.20	1.60	2.00	2.75	4.00	5.00	9.50	13.50	30.00	40.00	....

CAST IRON FITTINGS.

DISCOUNT.	SIZE.....	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
	Elbows.....each	4	5	6	9	13	20	25	.40	.75	1.10	1.35	1.80	2.85	3.90
	Elbows, Reducing....."	5	6	7	11	16	23	29	.46	.85	1.25	1.50	2.10	3.25	4.50
	Elbows, R. & L....."	5	6	7	11	16	23	29	.46	.85	1.25	1.50	2.10	3.25	4.50
	45° Elbows....."	10	10	15	20	26	35	50	1.30	1.60	2.00	2.50	4.00	5.50	7.00
	Tees....."	6	7	9	13	20	30	38	.60	1.10	1.50	2.00	2.50	4.00	5.50
	Tees, Reducing....."	7	8	11	15	23	35	44	.70	1.25	1.75	2.30	2.90	4.60	6.35
	Return Bends, close....."	..	..	10	15	22	34	45	.75	1.50	2.25	..	..	..	..
	Return Bends, open....."	..	..	15	20	30	46	68	1.15	1.75	2.75	..	..	..	..
	Y's....."	..	..	25	30	40	60	90	1.25	..	..	..	..	..	..
	Single Hook Plates....."	..	..	..	7	9	10	20	.30	..	..	..	..	..	..
	Ring Pipe Hangers....."	..	..	..	24	28	40	48	.56	1.08	1.20	1.50	1.60	1.80	2.00

Right and Left and Left Hand Fittings not mentioned above will be charged 15 per cent. more than Right Hand Fittings.

BRANCH TEES, HOOK PLATES, COIL STAYS, ETC.

DISCOUNT.	NUMBER OF PIPES....	1	2	3	4	5	6	7	8	9	10	12
	Brass Tees, 1 inch.....each	..	75	90	1.05	1.20	1.50	4.00	4.50	5.00	5.50	6.00
	Ring Plates, 1 inch....."	15	25	35	.45	.55	.65	.75	.85	1.00	1.20	1.60
	Hook Plates, 1 inch....."	9	15	21	.27	.32	.40	.48	.56	.65	.70	1.00
	Expansion Plates....."	12	20	27	.38	.45	.55	.65	.75	.85	.95	1.20
	Rosette Plates, 1 inch....."	..	40	..	.60	..	.88	..	1.20	..	1.45	1.70
	Wall Coil Stays, 1 inch....."	..	40	..	.60	..	.70	..	.80	..	.92	1.00
	Coil Stays, 1 inch...per pair	..	..	..	.60	..	.75	..	1.30	..	1.60	2.05

When not ordered otherwise, Branch Tees will be tapped Left in Front and Right in Feeds.

MALLEABLE IRON FITTINGS.

CLASS A.

Elbows—1/4, 1/4 x 1/2, 1/2 x 3/4. Reducing Couplings—1/4 x 1/4, 1/2 x 1/2. 25 cents per lb.
 Tees—1/4, 1/4 x 1/4, 1/4 x 1/2, 1/2 x 1/2. Couplings, R. H.—1/4. 25 cents per lb.

CLASS B.

Elbows and Tees from 1/4 to 3/4, inclusive. Reducing Couplings, all sizes. 13 cents per lb.
 Street Elbows, all sizes. Extension Pieces. 13 cents per lb.
 Elbows, Side Outlets, all sizes. Right and Left Fittings, all sizes. 13 cents per lb.
 Crosses, all sizes. Right Hand Couplings, 1/4 to 1. 13 cents per lb.
 Drop L's and Drop Tees, all sizes. Waste Nuts, Chandelier Hooks. 13 cents per lb.
 Caps and Lock Nuts all sizes. Return Bends, all sizes. Straps, not Tinned, all sizes. 13 cents per lb.

CLASS C.

Elbows and Tees, 1 x 3/4 and larger. 11 cents per lb.
Such Fittings, in this Class, as have one or more outlet smaller than 3/4 will be charged in Class B.

GALVANIZED FITTINGS.

DISCOUNT.	SIZE.....	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
	Elbows.....each	6	9	12	18	30	45	55	.85
	Elbows, Reducing....."	10	12	14	22	32	40	58	.92
	Tees....."	8	13	17	25	40	60	85	1.20
	Tees, Reducing....."	14	16	22	30	46	70	88	1.40
	Couplings....."	7	8	10	13	18	25	32	.40
	Unions....."	20	24	27	37	50	70	90	1.20
	Nipples....."	..	8	9	11	13	17	23	.32

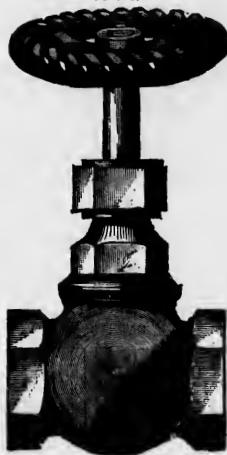
ENGINEERS' AND STEAMFITTERS' BRASS WORK

STEAM WORK

BRASS.

BRASS GLOBE VALVES.

FIG. 1.



JENKINS' GLOBE VALVES.

FIG. 2.



Fig. 1—BRASS.

SIZE, Inches....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Each	\$ 0 60	60	75	1 00	1 35	1 80	2 80	3 90	5 90	11 25	16 00	28 00	40 00
Each, Extra Heavy..	80	80	95	1 25	1 80	2 50	3 75	5 25	7 75	14 00	19 00		

Fig. 2—BRASS.

SIZE, Inches.....	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each	\$ 1 10	1 20	1 60	2 20	2 80	4 00	5 50	8 00	15 75	22 00

Fig. 2—BRASS, WITH FLANGES.

SIZE, Inches.....	$\frac{1}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each	\$ 4 00	5 00	7 00	9 00	14 00	20 00	30 00

BRASS ANGLE VALVES

FIG. 4.

WITH FLANGES.
FIG. 5.

Fig. 4—BRASS.

SIZE	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Each	\$ 0 60	75	1 00	1 35	1 80	2 80	3 90	5 90	11 25	16 00	30 00	40 00
Each, Extra Heavy.....	80	95	1 25	1 80	2 50	3 75	5 25	7 75	14 00	19 00		

Fig. 5—BRASS.

SIZE.	$\frac{1}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each.....	\$ 4 00	5 00	7 00	9 00	14 00	20 00	30 00

CHECK VALVES.

FIG. 6.



FIG. 7.



FIG. 8.



FIG. 9.



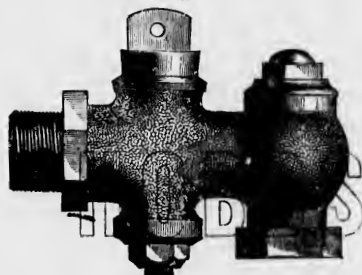
Figs. 6 and 7—HORIZONTAL OR ANGLE.

Figs. 8 and 9—PERPENDICULAR.

FIGURE.	SIZE.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
6 and 7	Each	\$ 0 50	60	85	1 15	1 55	2 30	3 25	5 20	10 00	14 00
8	Each.....	60	75	1 00	1 40	1 85	2 85	4 00	6 00	11 25	16 00
9	Each.....	50	60	85	1 15	1 55	2 30	3 25	5 20	10 00	14 00

COMBINED COCK AND CHECK VALVES

FIG. 10.



BRASS.

FIGURE.	SIZE.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
10	Each.....	\$ 3 50	4 50	6 00	7 00	

COMBINED GLOBE AND CHECK VALVES, BRASS.

No.	SIZE.....	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
$10\frac{1}{4}$	Each.....	\$ 1 50	2 20	3 15	4 50	5 90

CROSS VALVES.

FIG. 11.



CROSS VALVES, WITH FLANGES.

FIG. 12.



Fig. 11—BRASS.

FIGURE.	SIZE.....	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
11	Each.....	\$ 1 50	2 00	2 50	3 50	5 00	8 00	16 00	24 00

Fig. 12—BRASS.

FIGURE.	SIZE.....	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
12	Each.....	\$ 6 00	7 00	10 00	14 00	21 00	30 00	45 00	60 00	90 00

RADIATOR VALVES

T HANDLE.
ROUGH AND FINISHED BODIES.

FIG. 13.



WOOD WHEEL HANDLE.
ROUGH AND FINISHED BODIES.

FIG. 14.



WOOD WHEEL HANDLE.
GROUND COUPLING.

FIG. 15.



BRASS.

FIGURE.	SIZE	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
13	Each.....	\$1 35	1 60	2 25	3 25	4 50	7 00
	Each, Nickel Plated Mountings.....	1 65	1 95	2 65	3 70	5 00	7 75
14	Each.....	\$1 35	1 60	2 25	3 25	4 50	7 00
	Each, Nickel Plated Mounting only.....	1 55	1 85	2 50	3 50	4 80	7 50
	Each, Nickel Plated.....	1 65	1 95	2 65	3 70	5 00	7 75
	Each, Finished Body.....	1 85	2 15	2 85	4 00	5 50	8 50
	Each, Finished Body, Nickel Plated.....	2 15	2 50	3 25	4 45	6 00	9 25
15	Each.....	\$2 05	2 45	3 25	4 50	6 50	10 00
	Each, Nickel Plated.....	2 40	2 85	3 65	5 05	7 10	10 85
	Each, Finished Body.....	2 55	3 00	3 85	5 25	7 50	11 50
	Each, Finished Body, Nickel Plated.....	2 90	3 40	4 30	5 80	8 10	12 35

FIG. 17.

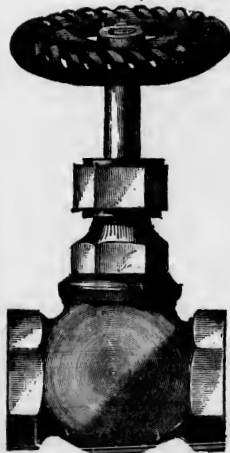


Fig. 16—BRASS THROTTLE VALVES.

SIZE.....	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each.....	\$3 50	4 50	5 50	8 00	11 00	16 00

FIG. 16.



Fig. 17—PEET VALVES.

SIZE.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each.....	\$1 00	1 20	1 75	2 50	3 50	5 00	7 50	15 00	22 00

GLOBE HOSE VALVES

FIG. 18.



BRASS.

SIZE.....	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each.....	\$ 1 60	2 15	3 35	5 00	7 25	13 00	17 50
Each, with Flange.....	4 00	5 00	7 00	9 00	14 00	20 00	

EXPANSION AIR VALVES, FOR RADIATORS.

BRASS.

FIGS. 19 AND 19½.

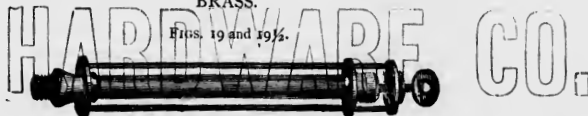


FIG. 20.



Fig. 20

FOOT VALVES AND STRAINER

BRASS.

FIG. 20½.



FIGURE.	SIZE.....						¾
19	Each, Brass.....						\$ 2 25
	Each, Nickel Plated.....						2 50
19½	Each, Brass, size 12 inches long, tapped for ¼ inch iron pipe.....						2 00
	Each, Nickel Plated, size 12 inches long, tapped for ¼ inch iron pipe.....						2 25
FIGURE.	SIZE.....						
20 AND 20½	Each.....	\$ 2 35	3 25	4 50	6 50	11 80	15 50
	Iron Body Foot Valves, with Strainer.	SIZE.....	2	2½	3	4	5	6
	Each.....	\$ 4 25	5 25	6 50	10 00	15 00	21 00

SAFETY VALVES

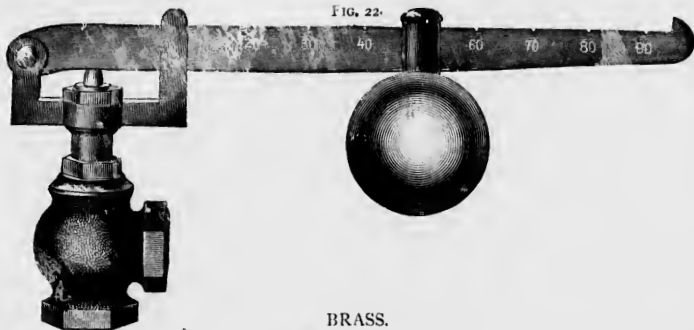
FIG. 21. BRASS.



SIZE.....	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Each.....	\$2 75	3 50	5 00	7 00	8 50	12 00	20 00

SAFETY VALVES, ANGLE PATTERN

FIG. 22.



BRASS.

SIZE.....	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Each.....	\$2 75	3 50	5 00	7 00	8 50	12 00	20 00

FIG. 24.



FIG. 23.



PUMP VALVES

BRASS.

FIG. 23.

SIZE.....	1/2	3/4	1	1 1/4	1 1/2
Each.....	\$2 00	3 00	4 00	6 00	9 00

FIG 24. With Air Chamber.

SIZE.....	1/2	3/4	1	1 1/4	1 1/2
Each.....	\$2 50	3 50	5 00	7 25	10 50
Each, with Air Cock.....	3 00	4 00	5 50	7 75	11 00

STEAM STOP COCKS

643

BRASS.

FIG. 25.



FIG. 26.



FIG. 27.

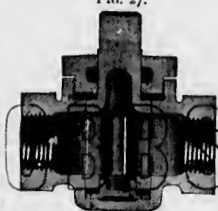
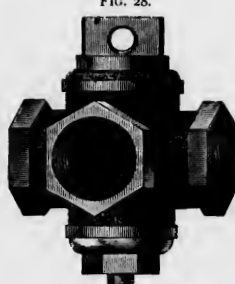


FIG. 28.



Figs. 25 and 26.

SIZE.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each.....	\$0 70	75	1 10	1 50	2 25	3 75	4 80	7 25	14 00	20 00
Each, Extra Heavy.....	80	95	1 30	1 90	2 75	4 50	5 75	9 00	17 00	25 00

Fig. 27—PACKED PLUGS.

SIZE.....	$\frac{1}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each.....	\$3 00	4 00	6 00	8 00	14 00	28 00	40 00
Each, with Gland.....	4 00	5 00	7 50	10 00	17 00	32 00	45 00
Each, Flanged.....	6 00	7 00	11 00	13 50	23 00	40 00	55 00
Each, with Gland, Flanged.....	7 00	8 00	12 50	15 50	26 00	44 00	60 00

Fig. 28—THREE-WAY STEAM STOP COCKS.

SIZE.....	$\frac{1}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each.....	\$1 65	2 25	3 40	5 50	7 00	10 00	18 00
Each, Flanged.....	5 25	6 50	7 75	10 00	14 00	22 00	39 00

Double Flange Cock.

FIG. 29.



Flange Hose Cock.

FIG. 30.



Flange Cock, with Hose Coupling.

FIG. 31.



BRASS.

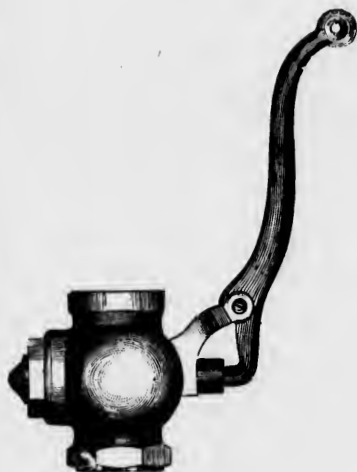
FIGURE.	SIZE.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
29	Each.....	\$3 50	4 50	5 50	8 00	10 00	15 00	22 00	32 00	
30	Each.....		3 75	5 00	7 00	9 00	13 00	20 00	28 00	
31	Each.....		4 00	5 50	7 75	10 25	15 00	23 00	34 00	

WHISTLE VALVES

BRASS.

FIG. 32.

FIG. 33.



Figs. 32 and 33

SIZE	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Each, Rough..	\$2 25	2 75	3 25	4 00	5 50	9 50	20 00	30 00

BRASS BUSHINGS.

FIG. 34—ROUND.

FIG. 35—HEXAGON.



BRASS UNION JOINT.

FIG. 36.



BRASS PLUG.

FIG. 37.



Figs. 34 and 35—BRASS BUSHINGS.

SIZE.....	$\frac{1}{8} \times \frac{1}{4}$	$\frac{1}{4} \times \frac{3}{8}$	$\frac{3}{8} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{3}{4}$	$\frac{3}{4} \times 1$	$1 \times 1\frac{1}{4}$	$1\frac{1}{4} \times 1\frac{1}{2}$	$1\frac{1}{2} \times 2$	$2 \times 2\frac{1}{2}$	$2\frac{1}{2} \times 3$
Each.....	\$0 07	09	11	17	30	42	59	75	1 25	2 50

Fig. 36—BRASS UNIONS.

SIZE.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Each.....	\$0 35	40	55	75	1 00	1 40	1 90	2 75	4 00

Fig. 37—BRASS PLUGS.

SIZE	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Each.....	\$0 06	c8	10	15	20	25	40	50	90	1 50

EXPANSION JOINTS

FIG. 38—BRASS.



FIG. 39—IRON BODY, BRASS SLEEVE.



FIG. 40—IRON BODY, FLANGED END.



FIGURE.	SIZE	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
38	Each, Screwed	\$ 2 00	2 75	4 00	5 50	8 00	16 00	24 00		
39	Each, Screwed					11 00	13 00	17 50	25 00	30 00

40	SIZE	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	8
Each		\$18 00	20 00	25 00	35 00	40 00	55 00	65 00	110 00

IRON BODY GLOBE VALVE.

FIG. 41—BRASS MOUNTED.



IRON BODY ANGLE VALVE.

FIG. 42—BRASS MOUNTED.



Fig. 41.

SIZE	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Each, Screwed Ends, without Yoke	\$ 5 00	7 50	10 50				
Each, Flanged Ends, without Yoke	6 75	9 50	13 50				
Each, Screwed Ends, with Yoke	8 00	10 50	14 50	18 00	21 00	32 00	44 00
Each, Flanged Ends, with Yoke	9 75	12 50	17 50	21 50	25 00	36 00	49 00

Fig. 42.

SIZE	2	$2\frac{1}{2}$	$3\frac{1}{2}$	4	5	6
Each, Screwed Ends, without Yoke	\$ 5 00	7 50	10 50			
Each, Flanged Ends, without Yoke	6 75	9 50	13 50			
Each, Screwed Ends, with Yoke	8 00	10 50	14 50	18 00	21 00	32 00
Each, Flanged Ends, with Yoke	9 75	12 50	17 50	21 50	25 00	36 00

CROSS VALVES

WITH FLANGES.

FIG. 43.



IRON BODY, BRASS MOUNTED

CHECK VALVES

HORIZONTAL.

FIG. 44.



ANGLE.

FIG. 45.



VERTICAL.

FIG. 46.



Fig. 43.

SIZE, Inches.....	1½	1¾	2	2½	3	3½	4	4½	5	6	7	8	10
Screwed Ends, without Yoke.....	\$ 3 50	4 75	6 50	10 00	14 00								
Flanged Ends, without Yoke.....	5 50	7 00	9 00	13 00	18 50								
Screwed Ends, with Yoke.....				18 00	23 00	27 00	35 00	40 00	54 00	90 00	105 00	175 00	
Flanged Ends, with Yoke.....				22 50	28 25	33 00	41 00	46 50	61 50	95 00	114 00	175 00	

Figs. 44 and 45.

SIZE, Inches.....	2	2½	3	3½	4	4½	5	6	7	8	10
Each, Screwed Ends.....	\$ 3 75	6 25	9 75	12 75	15 00	20 00	24 00	33 00	55 00	65 00	110 00
Each, Flanged Ends.....	5 50	8 25	12 75	16 25	19 00	24 00	28 00	38 00	60 00	71 00	120 00

Fig. 46.

SIZE, Inches.....	2½	3	3½	4	5	6
Each, Screwed Ends.....	\$ 6 25	9 75	12 75	15 00	24 00	33 00

IRON BODY SAFETY VALVES

BRASS MOUNTED.

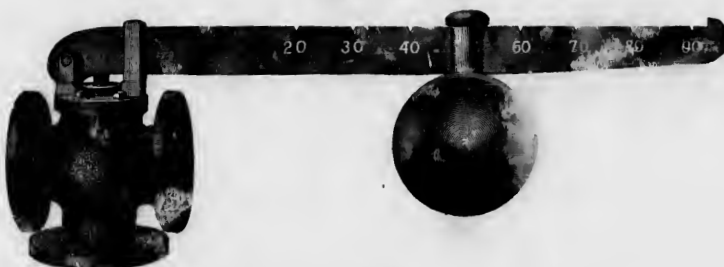


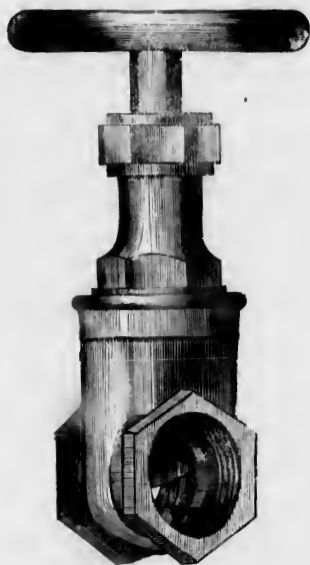
Fig. 47.

SIZE, Inches.....	1½	2	2½	3	3½	4	5	6
Each.....	\$ 6 00	8 00	13 00	18 00	24 00	30 00	50 00	67 50
Each, Flanged.....	8 25	10 50	16 00	22 50	29 25	36 00		

IRON BODY PEET OR GATE VALVES.

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FIG. 48.



IRON BODY BACK PRESSURE VALVES.

FIG. 49.



Fig. 48—BRASS MOUNTED.

SIZE.....	2½	3	4	5	6
Each, Screwed Ends	\$22 00	28 50	37 25	48 50	
Each, Flanged Ends	24 00	30 00	39 00	55 00	

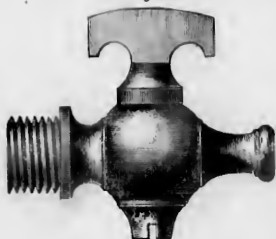
IRON BODY EDDY VALVES.

SIZE.....	3½	4	5	6	8
Each, Screwed Ends	\$17 00	19 00	25 00	31 00	45 00
Each, Flanged Ends	17 00	24 00	25 00	31 00	45 00

Fig. 49.

SIZE.....	1½	2	2½	3	3½	4	5	6
Each, Screwed Ends	\$7 00	8 00	10 50	14 50	18 00	21 00	32 00	44 00
Each, Flanged Ends	8 50	9 75	12 50	17 50	21 50	25 00	36 00	49 00

FIG. 50.



AIR OR PET COCKS.
SCREWED FOR IRON PIPE,
T HANDLE.

FIG. 51.

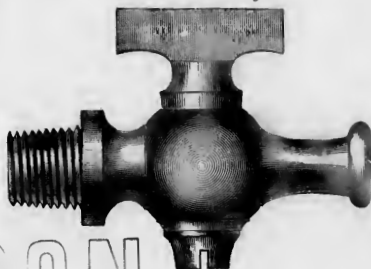


Fig. 50 and 51.

SIZE.....	¼	½	¾	1½
Each.....	\$0 65	65	80	80

AIR OR PET COCKS

SCREWED BOTH ENDS FOR IRON PIPE, T HANDLE.

FIG. 52.

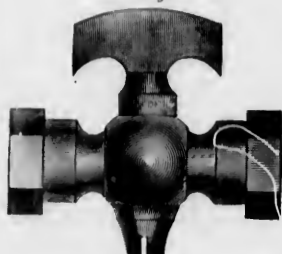
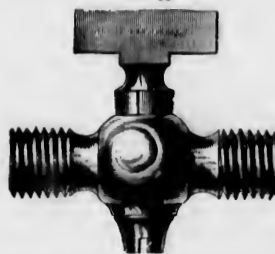


FIG. 53.



Figs. 52, 53 and 54.

SIZE OF SHANK SCREWED FOR IRON PIPE.....		$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Each.....		\$ 0 80	90	1 00

FIG. 54.

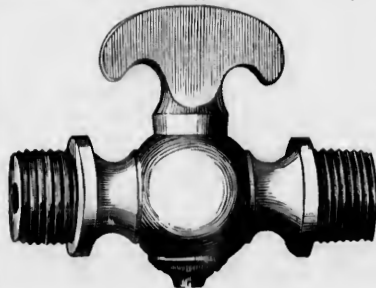


FIG. 55, LEVER HANDLE.

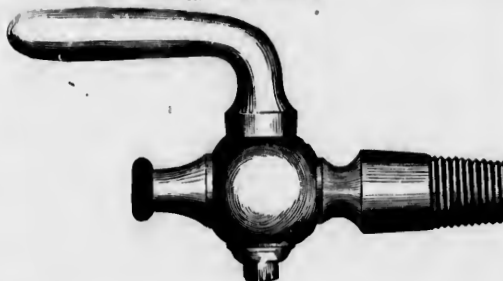


Fig. 55.

SIZE OF SHANK SCREWED FOR IRON PIPE		$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Each.....		\$ 0 80	90	1 00

FIG. 56.

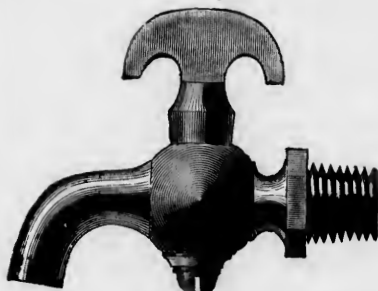


FIG. 57.

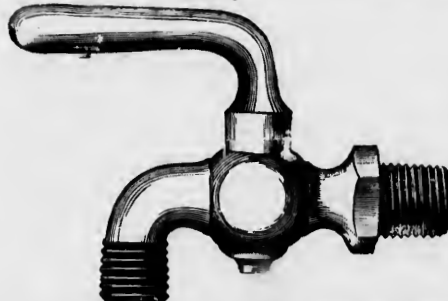


FIGURE.	SIZE.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
56	T Handle, Bent Nose, Plain, Screwed for Iron Pipe.....	\$ 0 90	1 10	1 20
57	Lever Handle, Bent Nose, Screwed Both Ends, for Iron Pipe.....	1 10	1 25	1 35

COMPRESSION AIR VALVES

SCREWED FOR IRON PIPE.

FIG. 58.
ROUND HANDLE.FIG. 59.
T HANDLE.FIG. 60.
SQUARE HANDLE.Screwed for $\frac{1}{4}$ and $\frac{1}{2}$ inch Pipe.

FIGURE.....	61	62	63
Each, Rough.....	\$0 50	50	50
Each, Finished.....	55	55	55
Each, Nickel Plated.....	60	60	60

STEAM BIBBS

SCREWED FOR IRON PIPE.

FIG. 61.

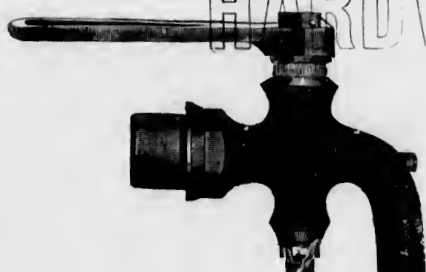


FIG. 62.

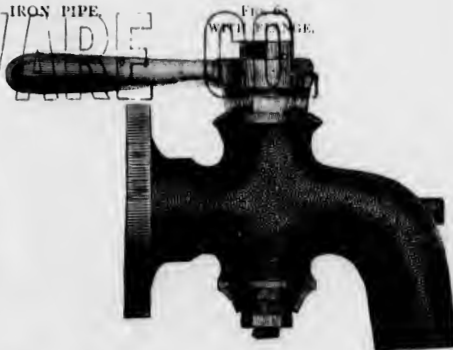


Fig. 61.

SIZE.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Each.....	\$ 1 00	1 25	1 50	1 75	2 50	3 50	5 00	8 00

Fig. 62.

SIZE.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	2	$2\frac{1}{2}$	3
Each.....	\$ 5 00	8 00	10 00	20 00	30 00	42 00		

STEAM BIBBS

WITH COUPLING ON NOSE.

FIG. 63.

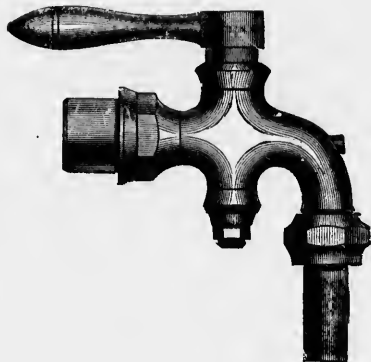


FIG. 64

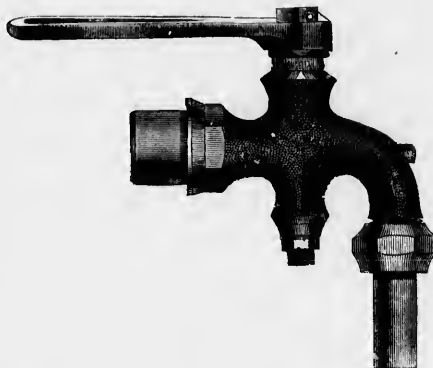


FIGURE.	SIZE	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
63	Each, Finished.....	\$ 1 50	1 75	2 50	2 75	3 50	5 50
64	Each, Rough.....	1 25	1 50	2 00	2 25	3 00	4 50

STEAM STOPS

BENT COUPLING.

FIG. 65.

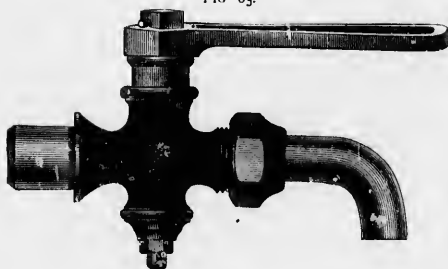


FIG. 65.

SIZE	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Each, Rough.....	\$ 1 50	1 75	2 00	2 50	3 25	5 00
Each, Finished.....	1 75	2 00	2 50	3 00	3 75	6 00

STEAM STOPS, STRAIGHT

FIG. 66.

SINGLE COUPLING.

FIG. 67.

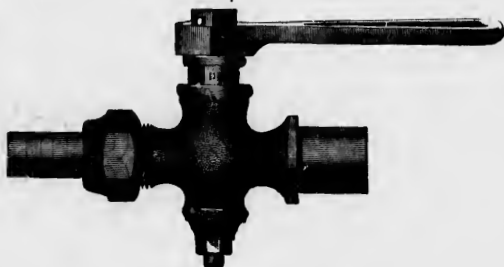
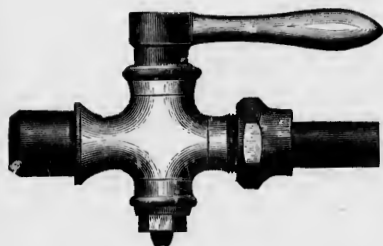


FIGURE.	SIZE	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1
66	Each, Finished.....	\$1 75	2 00	2 50	3 00	3 75	6 00
67	Each, Rough.....	1 50	1 75	2 00	2 50	3 25	5 00

FIG. 68.

DOUBLE COUPLING.

FIG. 69.

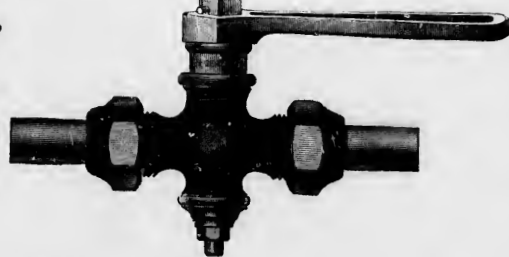
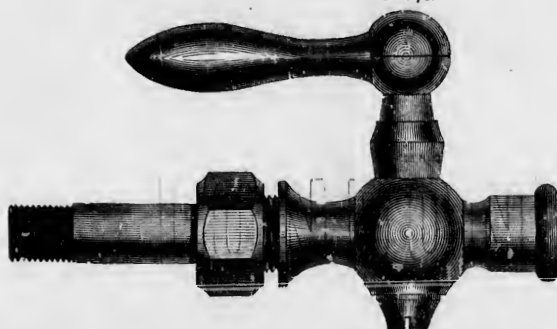


FIGURE.	SIZE	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1
68	Each, Finished.....	\$2 00	2 25	3 00	3 50	4 25	7 00
69	Each, Rough.....	1 75	2 00	2 50	3 00	3 75	6 00

STEAM GAUGE STOPS.

SCREWED FOR IRON PIPE.

FIG. 70.

FIG. 70 Without Coupling, size $\frac{1}{4}$ inch,..... each \$0.90FIG. 70 With Coupling, size $\frac{1}{4}$ inch..... each, \$1.90

"REGESTER'S PATENT" GAUGE COCKS

FIG. 71.

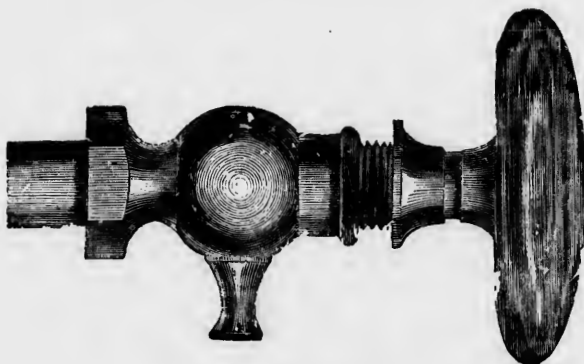


Each. \$1 75

GAUGE COCKS, COMPRESSION.

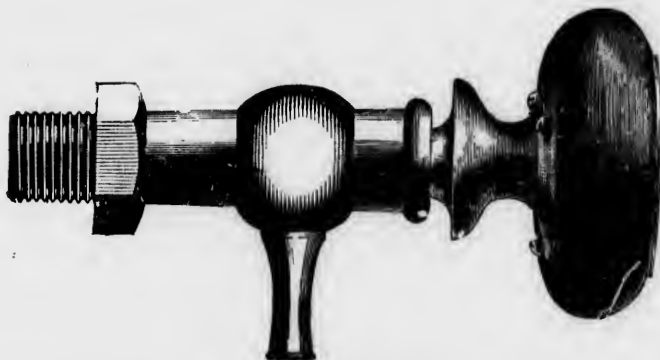
WOOD HANDLE, FULL SIZE.

FIG. 72.



Screwed for $\frac{3}{8}$ inch Iron Pipe.

FIG. 73.



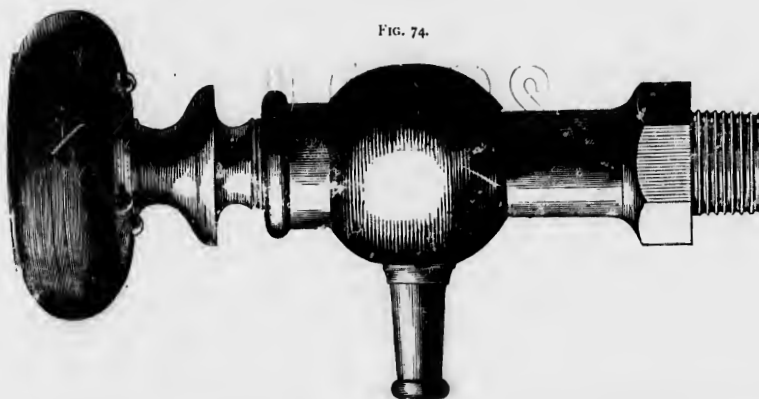
Screwed for $\frac{1}{2}$ inch Iron Pipe.

Figure..	77	78
Size.....	$\frac{3}{4}$	$\frac{1}{2}$
Each.....	\$ 0 80	1 00

GAUGE COCKS, COMPRESSION

WOOD HANDLE.

FIG. 74.

FIG. 74 Screwed for $\frac{1}{2}$ inch Iron Pipe.....each, \$1 50

WOOD HANDLE AND STUFFING BOX.

FIG. 75.

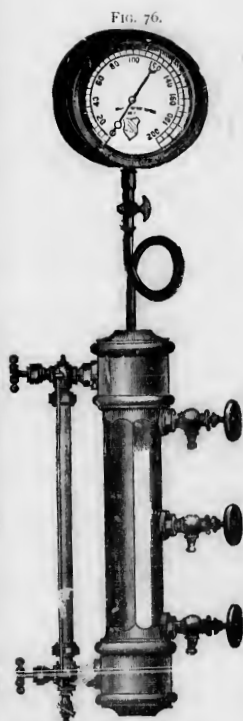
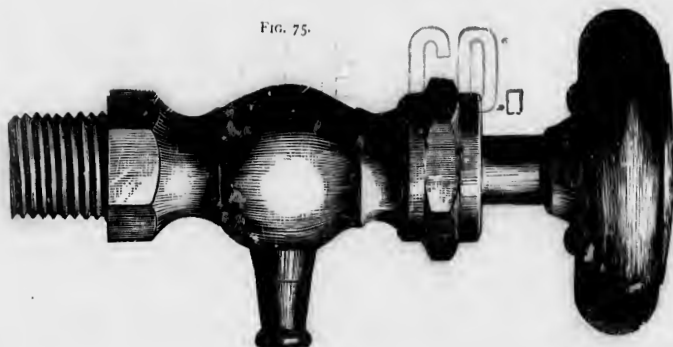


FIG	SIZE—Screwed for Iron Pipe.....	$\frac{1}{4}$	$\frac{1}{2}$
75	Each.....	\$1 10	1 15

STEAM AND WATER GAUGE COLUMNS

Fig. 76.

NUMBER.....	1	2
Each, Complete.....	\$15 00	20 00
Each, Column only Tapped.....	4 00	5 00

WATER GAUGES, COMPRESSION, ROUGH.

IRON WHEELS, TWO GUARDS, WITH GLASS AND RUBBERS.

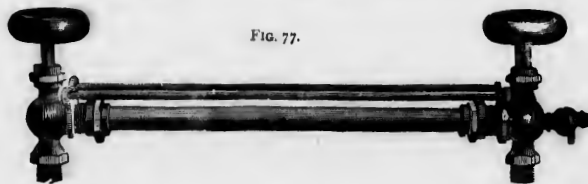


FIG. 77.

No. 1.

	SIZE, Screwed for Iron Pipe.....	$\frac{3}{4}$	$\frac{1}{2}$
Per Set.....		\$3 20	3 20

IRON WHEELS, THREE GUARDS, WITH GLASS AND RUBBERS.



FIG. 78.

No. 2.

	SIZE, Screwed for Iron Pipe.....	$\frac{3}{4}$	$\frac{1}{2}$
Per Set.....		\$4 00	4 00

No. 3.

POLISHED HEXAGON BODY, THREE GUARDS, IRON WHEELS, GLASS AND RUBBERS.

	SIZE, Screwed for Iron Pipe.....	$\frac{3}{4}$	$\frac{1}{2}$
Per Set.....		\$4 80	4 80

No. 4.

EXTRA HEAVY, POLISHED BODY, FOUR GUARDS, WOOD HANDLES, WITH GLASS AND RUBBERS.

	SIZE.....	$\frac{1}{2}$	$\frac{3}{4}$
Per Set.....		\$10 80	11 00

WITH FLANGES AND LEVER HANDLE COCKS, FOUR GUARDS, GLASS AND RUBBERS.

FIG. 79.



	NUMBERS.....	5	6	7
Per Set.....		\$11 00	14 30	17 60

PLAIN BRASS OIL CUPS

SCREWED FOR IRON PIPE.

FIG. 80.



Size, $\frac{1}{4}$ inch diameter.
Screwed $\frac{1}{2}$ inch.

FIG. 81.



Size, $\frac{3}{8}$ inch diameter.
Screwed $\frac{1}{2}$ inch.

FIG. 82.



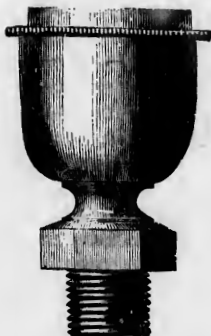
Size, 1 inch diameter.
Screwed $\frac{1}{2}$ inch.

FIG. 83.



Size, $1\frac{1}{8}$ inch diameter.
Screwed $\frac{1}{2}$ inch.

FIG. 84.



Size, $1\frac{1}{4}$ inch diameter.
Screwed $\frac{1}{2}$ inch.

FIG. 85.



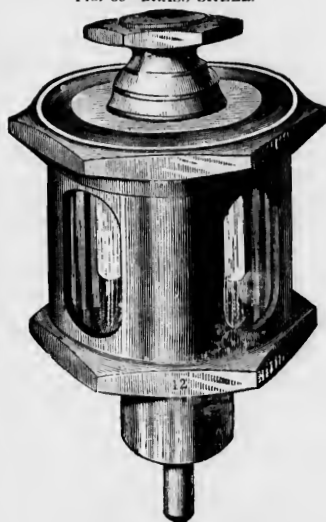
Size, $1\frac{1}{2}$ inch diameter.
Screwed $\frac{3}{8}$ inch.

Diameter.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3
Screwed on Shank for.....	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Each.....	\$0 25	.30	.35	.40	.50	.60	.90	1 25	1 75	2 25	2 75	3 50	4 50

WITH SPRING TAPS.

Diameter.....	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	3
Screwed on Shank for.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$
Each.....	1 00	1 25	1 50	2 80			

FIG. 86—BRASS SHELL.



GLASS OIL CUPS

FIG. 87—WITH GUARDS.



Figs. 86 and 87.

DIAMETER AND LENGTH OF GLASS.....	1 x 1 1/2	1 1/4 x 1 1/4	1 3/8 x 1 1/2	1 3/4 x 1 3/8	2 1/4 x 2	3 x 2 1/4
Each.....	\$1 55	1 90	2 40	2 80	3 50	6 50
Each, Nickel Plated.....	1 80	2 20	2 60	3 30	4 10	7 25

OIL CUPS, WITH COCK.

FIG. 88.

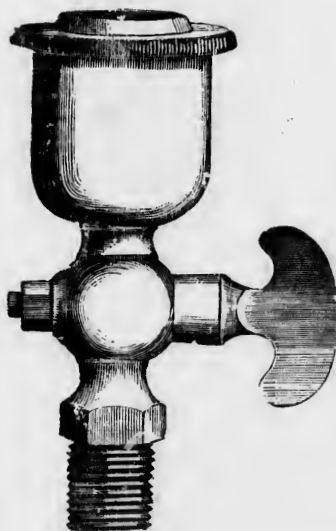
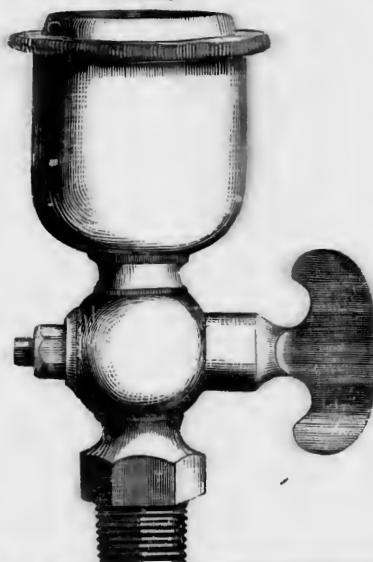


FIG. 89.



Figs. 88 and 89.

SIZE.....	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3
Each.....	\$1 00	1 25	1 50	2 00	2 50	3 00	3 75	6 00

RESERVOIR OR CYLINDER LUBRICATORS.

FIG. 91.

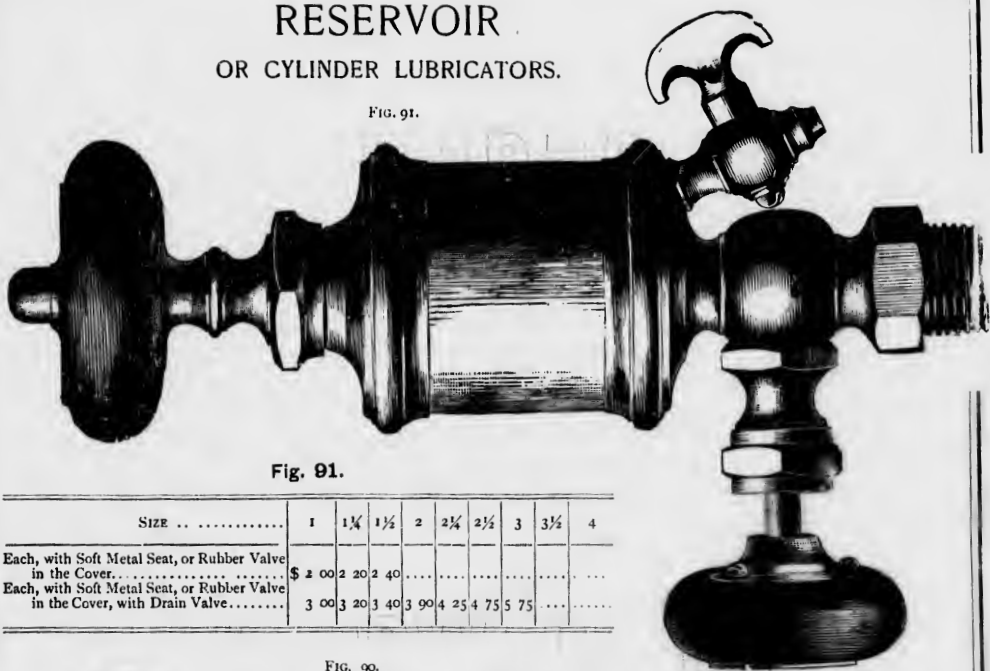


Fig. 91.

SIZE	1	1 1/4	1 1/2	2	2 1/4	2 1/2	3	3 1/2	4
Each, with Soft Metal Seat, or Rubber Valve in the Cover.....	\$ 2 00	2 20	2 40	.....	.....	.....	.....	.....	.....
Each, with Soft Metal Seat, or Rubber Valve in the Cover, with Drain Valve.....	3 00	3 20	3 40	3 90	4 25	4 75	5 75	.....	.....

FIG. 90.

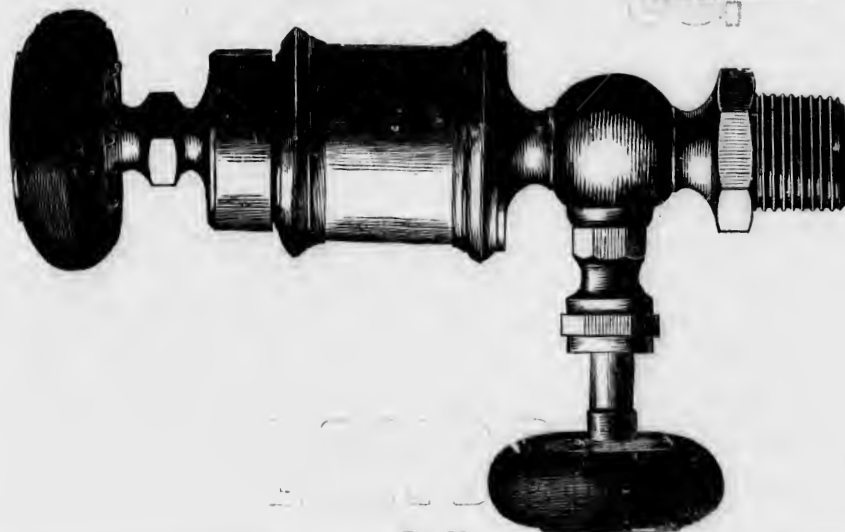


Fig. 90.

SIZE	1	1 1/4	1 1/2	2	2 1/4	2 1/2	3	3 1/2	4
Each, Ground Valve.....	\$ 2 25	2 50	2 75	3 25	3 75	4 25	5 50	8 00	11 00
Each, Ground Valve, with Pet Cock and Tube.....	3 25	3 50	3 75	4 25	4 75	5 25	6 50	9 00	12 00

STEAM WHISTLES

FIG. 92.

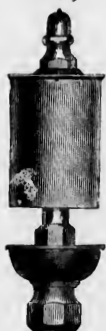


FIG. 93.

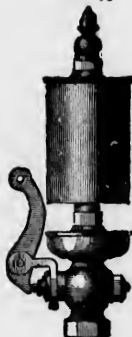


FIG. 94.

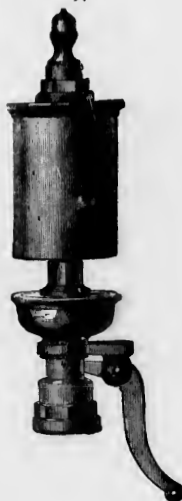


Fig. 92—WITHOUT VALVE.

Diameter of Bell.....	1¼	1½	2	2½	3	3½	4	5	6	8
or Iron Pipe.....	½	½	½	¾	¾	1	1	1½	2	2
Each.....	\$2 00	2 50	3 25	4 50	6 00	8 50	11 00	18 00	24 00	65 00

Figs. 93 and 94—WITH VALVE.

Diameter of Bell.....	1¼	1½	2	2½	3	3½	4	5	6
For Iron Pipe.....	½	½	½	¾	¾	1	1	1½	2
Each.....	\$3 75	4 00	4 75	6 50	8 00	11 00	14 00	22 00	30 00

GONG BELLS

FIG. 95.



FIG. 96.



SIZE.....	3	4	5	6	8	10	12	14
Each.....	\$2 25	2 75	3 25	3 90	6 75	9 00	15 00	23 00

BELL PULLS

FIG. 97.



FIG. 98.

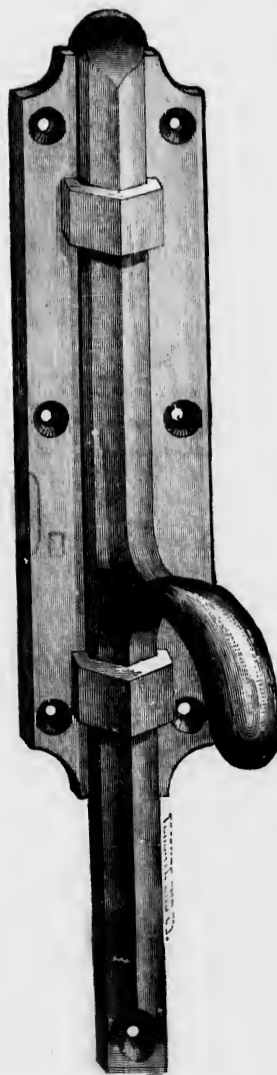


FIG. 99.

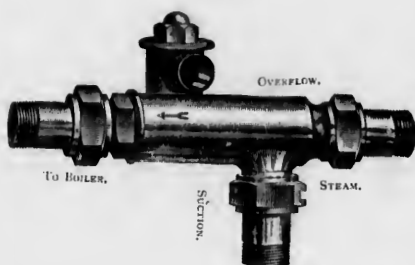


FIGURES	97	98	99
Each	\$0 85	1 75	2 25

IMPROVED MICHIGAN AUTOMATIC INJECTOR

PRICE LIST.

FIG. 100.



These Injectors are particularly adapted for Traction Engines, Marine Engines, and all other Engines subject to severe jarring. For Example—The Traction Engine on the road is subject to severe jars, and the hose or suction pipe is often drawn out of the water, thereby stopping Injector from delivering. When replaced, the Injector starts without the help of the Engineer. This is accomplished by the automatic action of this Injector.

Number of Injector.	Price.	SIZE OF CONNECTION.			Gallons per hour 60 lbs. pressure, with 4 ft. lift.	Horse Power.
		Suction.	Feed.	Steam.		
No. 1	\$16	3/8	3/8	3/8	60	
" 2	18	1/2	1/2	1/2	85	
" 3	20	3/4	3/4	3/4	120	
" 4	25	1	1	1	220	
" 5	30	1 1/4	1 1/4	1 1/4	300	
" 6	40	1 1/2	1 1/2	1 1/2	430	
" 7	45	1 3/4	1 3/4	1 3/4	540	
" 8	55	2	2	2	700	
" 9	60	2 1/4	2 1/4	2 1/4	900	
" 10	75	2 1/2	2 1/2	2 1/2	1260	
" 11	90	2 3/4	2 3/4	2 3/4	1740	
" 12	110	3	3	3	2230	
" 13	125	3 1/2	3 1/2	3 1/2	2820	
" 14	150	4	4	4	3480	

35 pounds of steam will lift water 4 to 10 feet, and deliver to boiler at temperature 140° Fahrenheit.

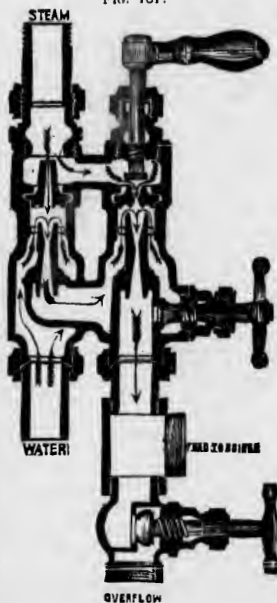
40 pounds of steam will lift water 10 to 17 feet, and deliver to boiler at temperature 165° Fahrenheit.

50 pounds of steam will lift water 17 to 20 feet, and deliver to boiler at temperature 170° Fahrenheit.

60 pounds of steam will lift water 20 to 25 feet, and deliver to boiler at temperature 180° Fahrenheit.

THE UNION INJECTOR

FIG. 101.



It differs materially in its construction from many other Injectors, inasmuch as it has one set of tubes for lifting and another set of tubes for forcing water—a combination entirely new, reliable and efficient.

There being no moveable parts in internal construction, it is not liable to get out of order; requires no oiling or adjusting to the varying steam pressures or lifts—and is always ready to start at a moment's notice.

Water can be delivered at a high or low temperature, as may be desired.

No adjustment is required for varying steam pressures; ALL SIZES will lift water 25 feet, working as well on a 25 feet lift as on a low lift.

Each Injector is carefully tested before leaving the manufactory, and is guaranteed to perform all that is claimed for it here, it being attached and operated according to the printed directions that accompany each machine.

PRICE LIST.

No. of Injector.	Suction and Feed.	Steam.	Gallons per hour 60 lbs pressure.	Horse Power.	Price.
No. 7 1/2	3/8 in.	3/8 in.	60	8	\$ 18
" 8 3/4	1/2 "	1/2 "	90	12	20
" 10	3/4 "	3/4 "	120	16	24
" 12 1/2	1 "	1 "	220	30	30
" 15	1 1/4 "	1 1/4 "	300	40	35
" 17 1/2	1 1/2 "	1 1/2 "	420	56	45
" 20	1 3/4 "	1 3/4 "	540	72	55
" 22 1/2	2 "	2 "	720	96	60
" 25	2 1/4 "	2 1/4 "	900	120	75
" 30	2 1/2 "	2 1/2 "	1260	168	90
" 35	3 "	3 "	1740	230	110
" 40	3 1/2 "	3 1/2 "	2230	298	125
" 45	4 "	4 "	2820	376	150
" 50	4 1/2 "	4 1/2 "	3480	464	175
" 55	5 "	5 "	3600	600	

The capacity of these machines is estimated with a four-foot lift and 60 lbs. steam. With a greater lift the capacity will be proportionately reduced.

OIL PUMPS

FIG. 102.

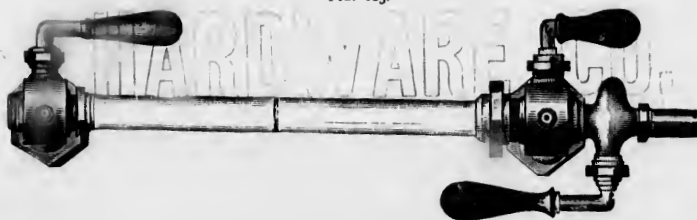


Figure..... 102

Each..... \$10 00

GAUGE GLASSES

FIG. 103.



PATENT RED REFLECTING GAUGE GLASSES.

DIAMETER.....	$\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{3}{4}$	DIAMETER.....	$\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{3}{4}$
10 inches long.....per dozen	\$4 10	4 20	4 90	16 inches long.....per dozen	\$5 00	5 30	6 70
12 ".....per dozen	4 20	4 30	5 10	18 ".....per dozen	5 60	5 90	7 60
14 ".....per dozen	4 50	4 80	5 90	20 ".....per dozen	.....	6 50	8 50
15 ".....per dozen	4 80	5 00	6 40	24 ".....per dozen	.....	7 60	10 00

SCOTCH GAUGE GLASSES.

DIAMETER.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	DIAMETER.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
10 inches long.....per dozen	\$3 60	3 60	4 20	16 inches long.....per dozen	\$4 25	4 25	5 40
12 ".....per dozen	3 60	3 60	4 80	18 ".....per dozen	.....	4 80	6 00
14 ".....per dozen	4 00	4 00	4 80	20 ".....per dozen	.....	6 00	7 20
15 ".....per dozen	4 00	4 00	5 40	24 ".....per dozen	.....	7	8 40

PLUMBERS' BRASS WORK

COMPRESSION PLAIN BIBBS.

FIG. 200.



Fig. 200.

FIG. 201.



Screwed for Iron Pipe.

Fig. 201.

SIZE.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	SIZE.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Rough..... per dozen	\$ 8 50	9 50	11 00	17 00	30 00	Rough..... per dozen	\$ 9 50	10 50	12 00	16 00	33 00
Finished..... "	9 00	10 00	12 00	18 00	34 00	Finished..... "	10 00	11 00	13 00	20 00	37 00
Nickel Plated.. "	11 00	12 50	14 50	20 50	37 00	Nickel Plated.. "	12 00	13 50	15 50	22 50	40 00
Silver Plated .. "	17 00	19 00	24 00	33 00	60 00	Silver Plated .. "	18 00	20 00	25 00	35 00	63 00

COMPRESSION HOSE BIBBS.

FIG. 202.



Screwed for Iron Pipe.

Fig. 202

COMPRESSION BATH BIBBS.

FIG. 203.

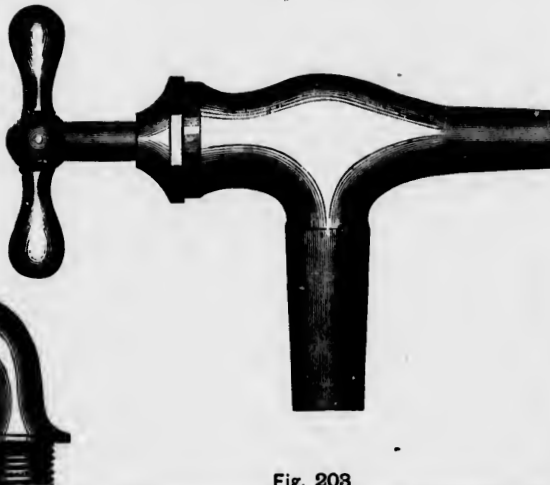


Fig. 203

SIZE.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	SIZE.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Rough..... per dozen	\$10 50	11 50	13 00	21 00	36 00	Finished .. per dozen	\$14 00	17 00	26 00
Finished..... "	11 00	12 00	14 00	22 00	40 00	Nickel Plated..... "	16 50	19 50	28 50
Nickel Plated.. "	13 00	14 50	16 50	24 50	43 00	Silver Plated .. "	23 00	29 00	41 00
Silver Plated .. "	19 00	21 00	26 00	37 00	66 00				

COMPRESSION BATH BIBBS.

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FLANGE NUT AND BENT COUPLING.

FIG. 204.

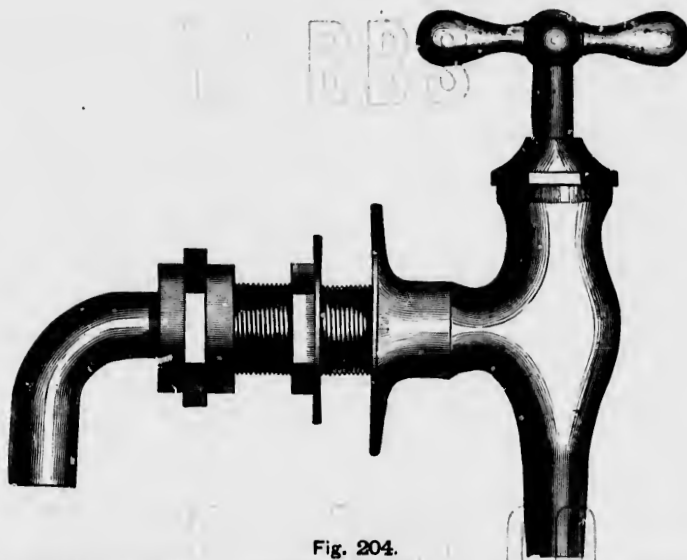
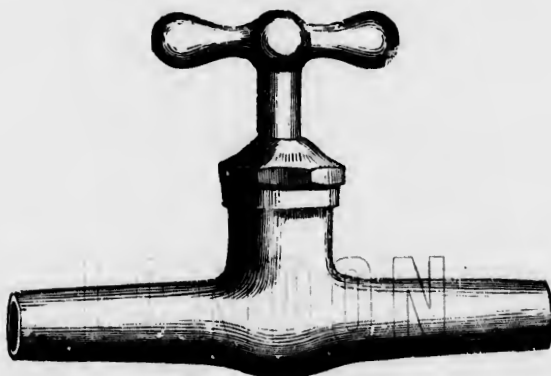


Fig. 204.

SIZE.....		$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Finished.....	per dozen	\$29 00	37 00	52 00
Nickel Plated.....	per dozen	32 50	40 50	57 00
Silver Plated.....	per dozen	41 00	52 00	71 00

COMPRESSION STOPS

FIG. 205.



SIZE.....		$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Rough.....	per dozen	\$ 9 50	10 50	12 00	18 50	37 00
Finished.....	per dozen	10 00	11 00	13 00	19 50	36 00
Nickel Plated.....	per dozen	12 00	13 50	15 50	22 00	39 00
Silver Plated.....	per dozen	18 00	20 00	25 00	34 50	62 00
Add to regular list for Stuffing Box.....	per dozen	\$2 00	2 00	2 00	3 00	4 00

COMPRESSION STOPS

FIG. 206.

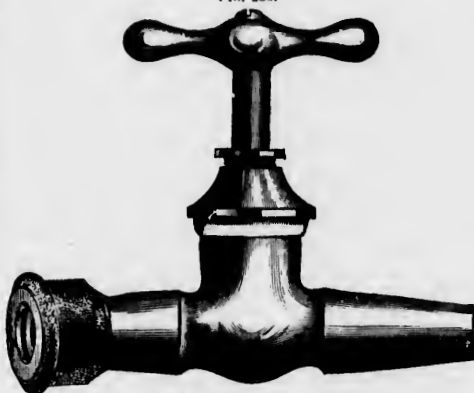


Fig. 206 FOR LEAD AND IRON PIPE.

FIG. 207.

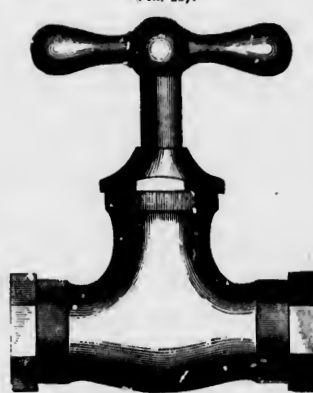


Fig. 207 FOR IRON PIPE.

SIZE.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	SIZE.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Rough..... per dozen	\$10 00	11 00	13 00	19 50	33 50	Rough..... per dozen	\$10 50	11 50	14 00	20 50	35 00
Finished..... "	10 50	11 50	14 00	20 50	37 50	Finished..... "	11 00	12 00	15 00	21 50	39 00
Nickel Plated.. "	12 50	14 00	16 50	23 00	40 00	Nickel Plated.. "	13 00	14 50	17 50	24 00	42 00
Silver Plated.. "	18 50	20 50	26 00	35 50	63 00	Silver Plated.. "	19 00	21 00	27 00	36 50	65 00

FIG. 208.

COMPRESSION URINAL STOPS

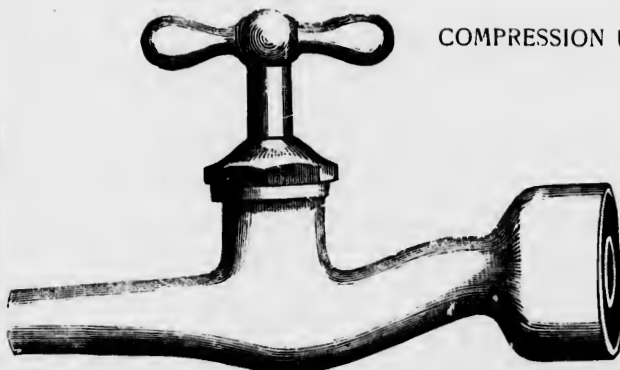


Fig. 208.

Size.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Finished, per dozen	\$17 00	18 00	20 00
Nickel Plated "	20 00	21 00	23 00
Silver Plated "	26 00	28 00	33 00

FIG. 209.

LAMBERT BALL COCKS

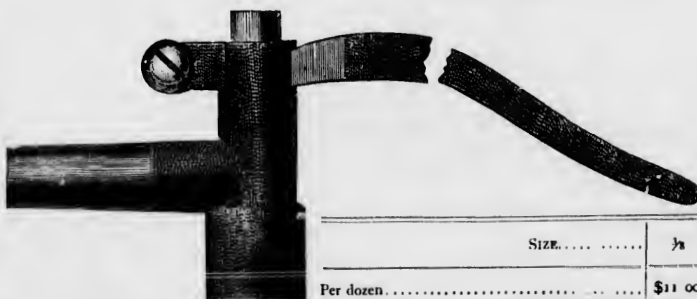


Fig. 209.

SIZE.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Per dozen.....	\$11 00	12 00	14 00	20 00	34 00

SELF-CLOSING COOLER COCKS

FOR LEAD PIPE.



Fig. 210—WITH FLANGE AND THIMBLE

SIZE.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Finished.....per dozen	\$14 00	16 00	19 00
Nickel Plated	16 00	18 50	21 50
Silver Plated	22 00	25 00	31 00

Fig. 210—FOR LEAD PIPE.

SIZE.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{4}$
Finished.....Per dozen	\$12 00	14 00	17 00	26 00
Nickel Plated	14 00	16 50	19 50	28 50
Silver Plated	20 00	23 00	29 00	41 00

DOUBLE COMPRESSION BATH COCKS.

FIG 211.



FIG. 212.



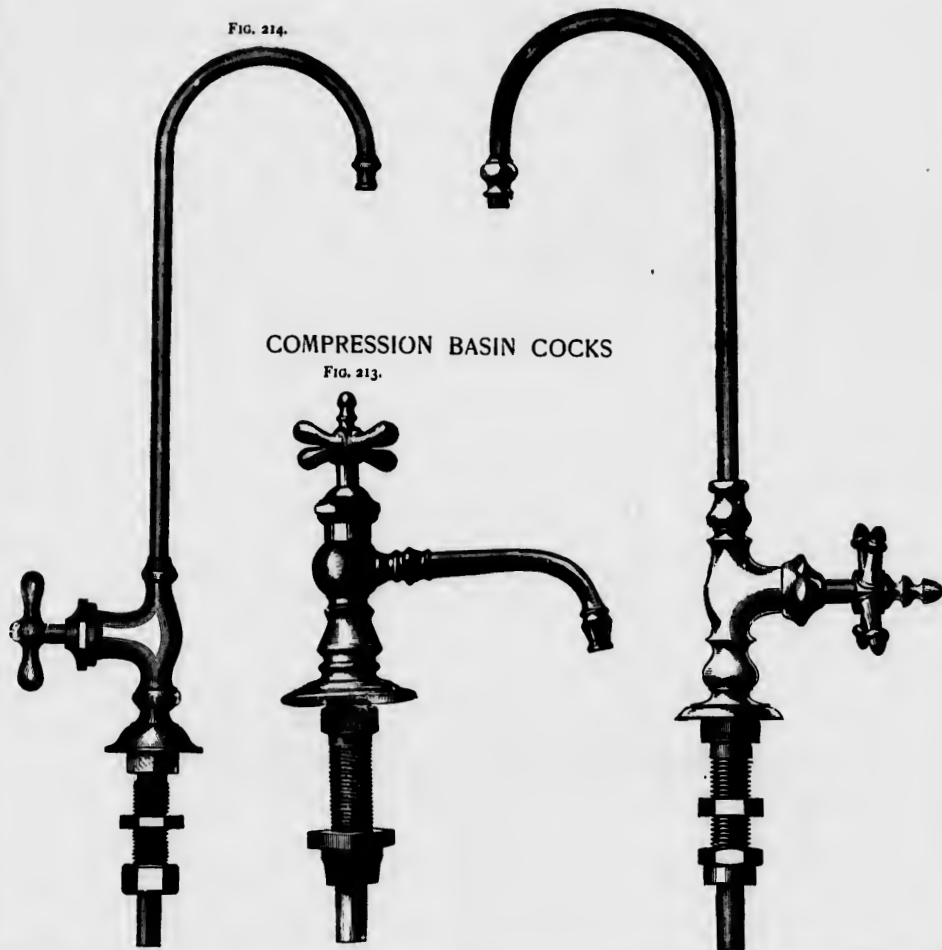
Figs. 211 and 212.

SIZE.....	$\frac{1}{2}$	$\frac{3}{4}$
Finished, each	\$6 50	7 00
Nickel Plated, each	7 00	7 50
Silver Plated, each	8 50	9 00

COMPRESSION PANTRY COCKS

FIG. 215.

FIG. 214.



COMPRESSION BASIN COCKS

FIG. 213.

FIGURE

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T. H. Brass.....	per dozen	\$24 00
T. H. Nickel Plated.....	per dozen	28 00
T. H. Silver Plated.....	per dozen	38 00
X. H. Brass.....	per dozen	26 00
X. H. Nickel Plated.....	per dozen	30 00
X. H. Silver Plated.....	per dozen	40 00

Figs. 214 and 215.

Figs. 214 and 215—WITH HOSE END.

T. H. Finished.....	per dozen	\$34 00	T. H. Finished.....	per dozen	\$37 00
X. H. Finished.....	per dozen	36 00	X. H. Finished.....	per dozen	39 00
T. H. Nickel Plated.....	per dozen	38 00	T. H. Nickel Plated.....	per dozen	41 00
X. H. Nickel Plated.....	per dozen	40 00	X. H. Nickel Plated.....	per dozen	43 00
T. H. Silver Plated.....	per dozen	49 00	T. H. Silver Plated.....	per dozen	52 00
X. H. Silver Plated.....	per dozen	51 00	X. H. Silver Plated.....	per dozen	54 00

PLAIN BIBBS

FIG. 216.

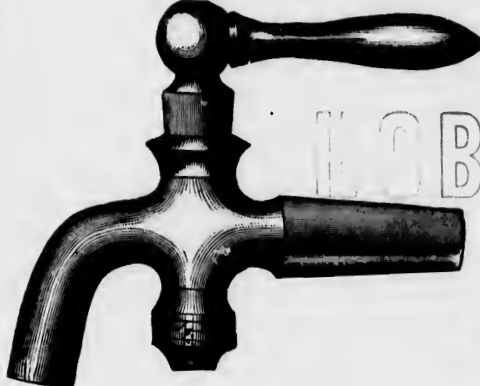


FIG. 217.

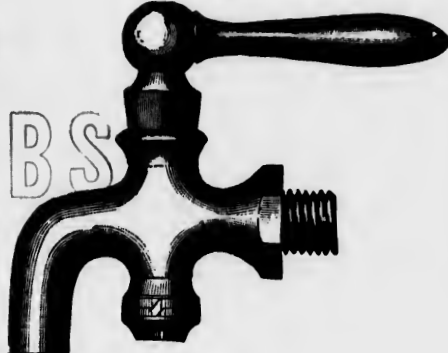


Fig. 216.

Fig. 217—SCREWED FOR IRON PIPE.

SIZE	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	SIZE	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Rough.....per dozen	\$11 00	14 00	16 00	21 00	32 00	52 00	72 00	Rough.....per dozen	\$12 00	15 00	17 00	23 00	35 00	56 00	78 00	160 00
Finished....."	12 00	15 00	18 00	24 00	36 00	60 00	84 00	Finished....."	13 00	16 00	19 00	26 00	39 00	64 00	90 00	180 00
Nickel Plated.."	14 00	17 50	20 50	26 50	39 00	.....	.....	Nickel Plated.."	15 00	18 50	21 50	28 50	42 00	.....	.....	.....
Silver Plated.."	20 00	24 00	30 00	39 00	62 00	.....	.....	Silver Plated.."	21 00	25 00	31 00	41 00	65 00	.....	.....	.....

FIG. 218.



FIG. 219.

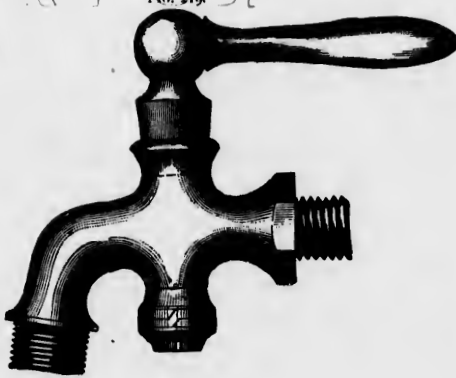


Fig. 218.

Fig. 219—SCREWED FOR IRON PIPE.

SIZE.....							SIZE.....						
							</						

CIRCULATING STOPS

FIG. 220.

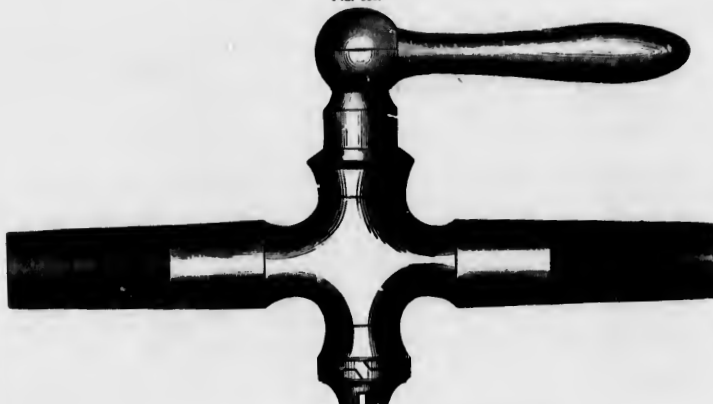


Fig. 220.

SIZE.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Finished.....	per dozen \$22 00	27 00	36 00
Nickel Plated.....	per dozen 25 50	30 50	40 00

PLAIN STOPS

FIG. 221.



FIG. 221.

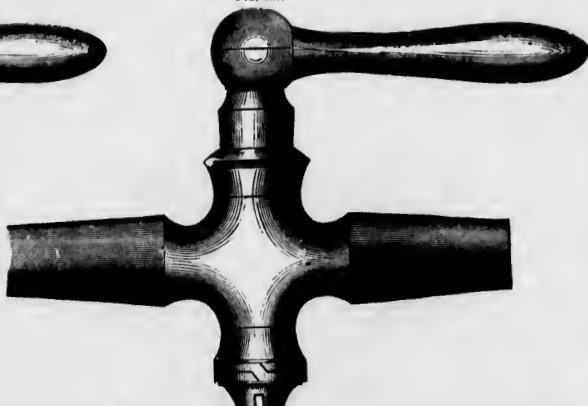


Fig. 221.

SIZE	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Finished.....	per dozen \$12 50	15 50	18 50	25 00	37 00	62 00	86 00
Nickel Plated.....	per dozen 14 50	18 00	21 00	27 50	40 00	.....	.....
Silver Plated.....	per dozen 20 50	24 50	30 50	40 00	63 00	.....	.....

Fig. 222.

SIZE—Screwed for Iron Pipe.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Finished.....	per dozen \$13 50	16 50	20 50	27 00
Nickel Plated.....	per dozen 15 50	19 00	23 00	29 50
Silver Plated.....	per dozen 21 50	25 50	32 50	42 00

STOP COCKS WITH WASTE ATTACHMENT

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FIG. 223.

FIG. 224.



Fig. 223.

SIZE.....		$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{1}$	
Finished.....	per dozen	\$14 00	17 00	20 00	27 00	40 00
Nickel Plated.....	per dozen	16 00	19 50	22 50	29 50	43 00
Silver Plated.....	per dozen	22 00	26 00	32 00	42 00	66 00

Fig. 224—SCREWED FOR IRON PIPE.

SIZE.....		$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{1}$	
Finished.....	per dozen	\$15 00	18 00	22 00	29 00	43 00
Nickel Plated.....	per dozen	17 00	20 50	24 50	31 50	46 00
Silver Plated.....	per dozen	23 00	27 00	34 00	44 00	69 00

ROUGH STOPS, T HANDLE

FIG. 225.

FIG. 226.

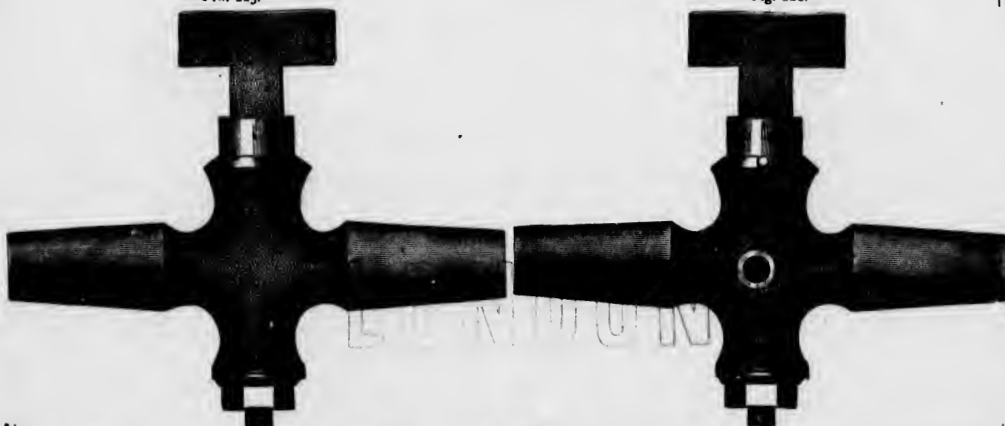


Fig. 225—T HANDLE, NUT AND WASHER.

Fig. 226—T HANDLE, NUT AND WASHER, WITH WASTE

SIZE....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{1}$	$1\frac{1}{4}$	$1\frac{1}{2}$	2	SIZE....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{1}$	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per dozen ...	\$9 00	12 00	15 00	19 00	28 00	46 00	64 00	Per dozen..	\$10 00	13 00	16 00	20 50	30 00	49 00	68 00

ROUGH STOPS, LEVER HANDLE.

FIG. 227.



FIG. 227—NUT AND WASHER.

SIZE	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per dozen.....	\$9 00	12 00	15 00	19 00	28 00	46 00	64 00	110 00

LEVER HANDLE, NUT AND WASHER, WITH WASTE.

SIZE	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per dozen.....	\$10 00	13 00	16 00	20 50	30 00	49 00	68 00	120 00

FIG. 228.



ROUGH STOPS, T HANDLE.

SCREWED FOR IRON PIPE.

FIG. 229.

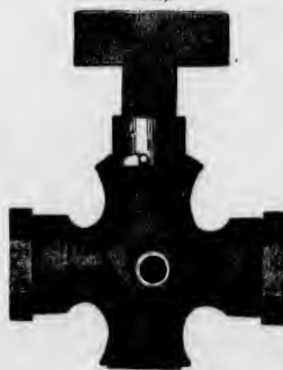


FIG. 228—NUT AND WASHER.

SIZE	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per dozen.....	\$10 00	13 00	17 00	21 00	31 00	50 00	70 00	120 00

FIG. 229—NUT AND WASHER, WITH WASTE.

SIZE	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per dozen.....	\$11 00	14 00	18 00	22 50	33 00	53 00	74 00	130 00

ROUGH STOPS, LEVER HANDLE.

FIG. 230.

FOR IRON PIPE.

FIG. 231.



Fig. 230—NUT AND WASHER.



Fig. 231—NUT AND WASHER, WITH WASTE.

SIZE....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	SIZE....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per dozen...	\$10 00	13 00	17 00	21 00	31 00	50 00	70 00	120 00	Per dozen...	\$11 00	14 00	18 00	22 50	33 00	53 00	74 00	130 00

ROUGH ALE COCKS, WITH COUPLINGS.

FIG. 232.



Fig. 232.

To Drive or Screw, Nut and Washer on Bottom.....each, \$2 00

FIG. 233.



Fig. 233.

Ale Cock, with Coupling on Side.....each, \$2 50

ALE COOLER COCKS

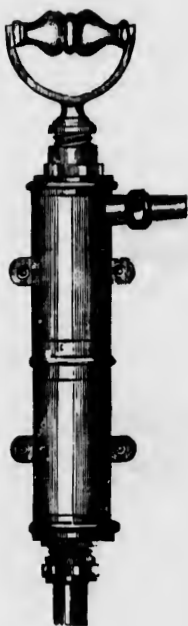


FIG. 234.

Size, inches long.....	14	16
Each, Finished.....	\$4 50	5 00

BEER PUMPS

FIG. 235.



LAGER AIR PUMPS

FIG. 236.



Fig. 235.

Each.....	\$6 50
-----------	--------

Fig. 236.

Each.....	\$18 00
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COUNTER COCKS

FIG. 238 LEVER HANDLE.



FIG. 238—T HANDLE, OCTAGON.



FIG. 238—ROUND.

Finished.....	each	\$2 50
Nickel Plated.....	each	2 85
Silver Plated.....	each	3 70

FIG. 238—OCTAGON, WITH T OR LEVER HANDLE.

Finished.....	each	\$2 85
Nickel Plated.....	each	3 20
Silver Plated.....	each	4 00

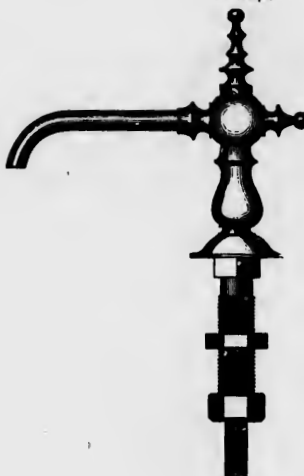
BASIN COCKS

FIG. 339.



No. 1.

FIG. 240.



No. 2.

FIG. 241.



No. 3.

Fig. 242.



No. 4.

No.	1	2	3	4
Finished..... per doz.	\$18 00	22 00	26 00	30 00
Nickel Plated .. " ..	21 00	26 00	30 00	36 00
Silver Plated .. " ..	27 00	34 00	38 00	44 00

RUBBER FORCE CUP.

FIG. 243.



BASIN PLUGS.

FIG. 244.



BASIN PLUGS—PATENT OVERFLOW.

FIG. 245.



FIG. 243.

FIG. 244.

FIG. 245.

Each	\$ 1 00	Finished.....per dozen	\$ 8 00	Finished.....per dozen	\$ 9 00
		Nickel Plated.....per dozen	8 50	Nickel Plated.....per dozen	9 50
		Silver Plated.....per dozen	10 00	Silver Plated.....per dozen	11 00

SINK, OR BATH PLUGS.

FIG. 246.



FIG. 246.

TRAP SCREWS.

FIG. 247.



FIG. 247.

SIZE.....	1	1 1/4	1 1/2	2	2 1/4	2 1/2	3	4	SIZE.....	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Finished.....per dozen	\$4 10 00	3 00 4 00	4 00 7 00	10 00	15 00	18 00	36 00	40 00	Per dozen:	\$3 00	3 50	4 50	8 00	12 00	18 00	26 00	30 00
Nickel Plated.....per dozen	3 00	3 50	4 50	8 00	12 00	17 00	24 00	40 00									

FIG. 248.

WATER BACK COUPLINGS.

FIG. 249.

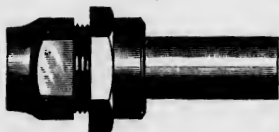


FIG. 248—STRAIGHT.

FIG. 249—BENT.

SIZE.....	1/2	3/4	1	SIZE.....	1/2	3/4	1
Ground Face.....per dozen	\$7 50	8 00	11 50	Ground Face.....per dozen	\$8 50	9 00	12 50

PLAIN COUPLINGS.

FIG. 250.



FIG. 250.

HOSE COUPLINGS.

FIG. 251.

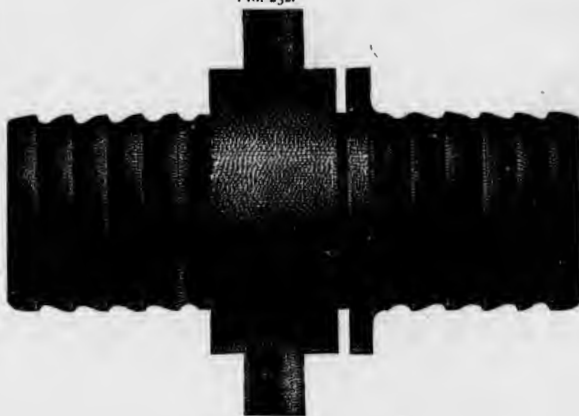


FIG. 251.

SIZE....	1/2	3/4	1	1 1/4	1 1/2	2	SIZE....	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2			
Ground Face, per doz	\$4 00	4 50	5 00	6 50	8 00	12 00	18 00	24 00	36 00	Per doz.....	\$2 40	2 40	4 40	10 00	14 00	24 00	.....
										" for Iron Pipe	2 65	2 65	4 65	10 50	15 00	26 00	.....
										With Lugs.....	per dozen					30 00	48 00
										With Lugs for Iron Pipe.....	"					32 00	50 00

HOSE COUPLINGS

FIG. 252.



SIZE.....	2	2½
-----------	---	----

Per dozen.....	\$60 00	72 00
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HOSE PIPES

FIG. 253.

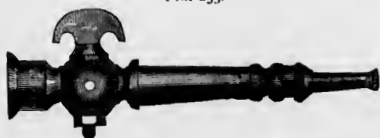


FIG. 253.—WITH COCK.

FIG. 254.



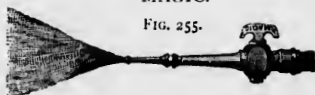
FIG. 254.

SIZE.....	¾	1	SIZE.....	1¼	1½	2
Length.....	7 in.	9 in.	Length.....	15 in.	15 in.	20 in.
Per dozen.....	\$13 00	20 00	Per dozen.....	\$24 00	30 00	50 00

SPRAY NOZZLES

MAGIC.

FIG. 255.



LOWELL.

FIG. 256.



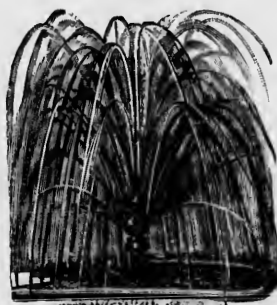
FIG. 255.

FIG. 256.

SIZE.....	¾	SIZE.....	¾
Per dozen.....	\$18 00	Per dozen.....	\$18 00

EUREKA REVOLVING SPRINKLER

FIG. 257



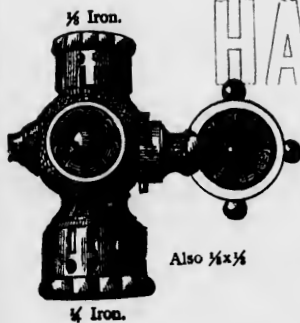
Price, ¾ inch, with rod, \$18.00 per dozen.

GAS FITTINGS

ELBOW BURNER COCKS.



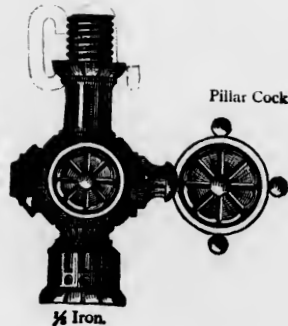
PILLAR COCKS.



Also 1/2 x 1/4



Also 1/2 x 1/4



Pillar Cock.

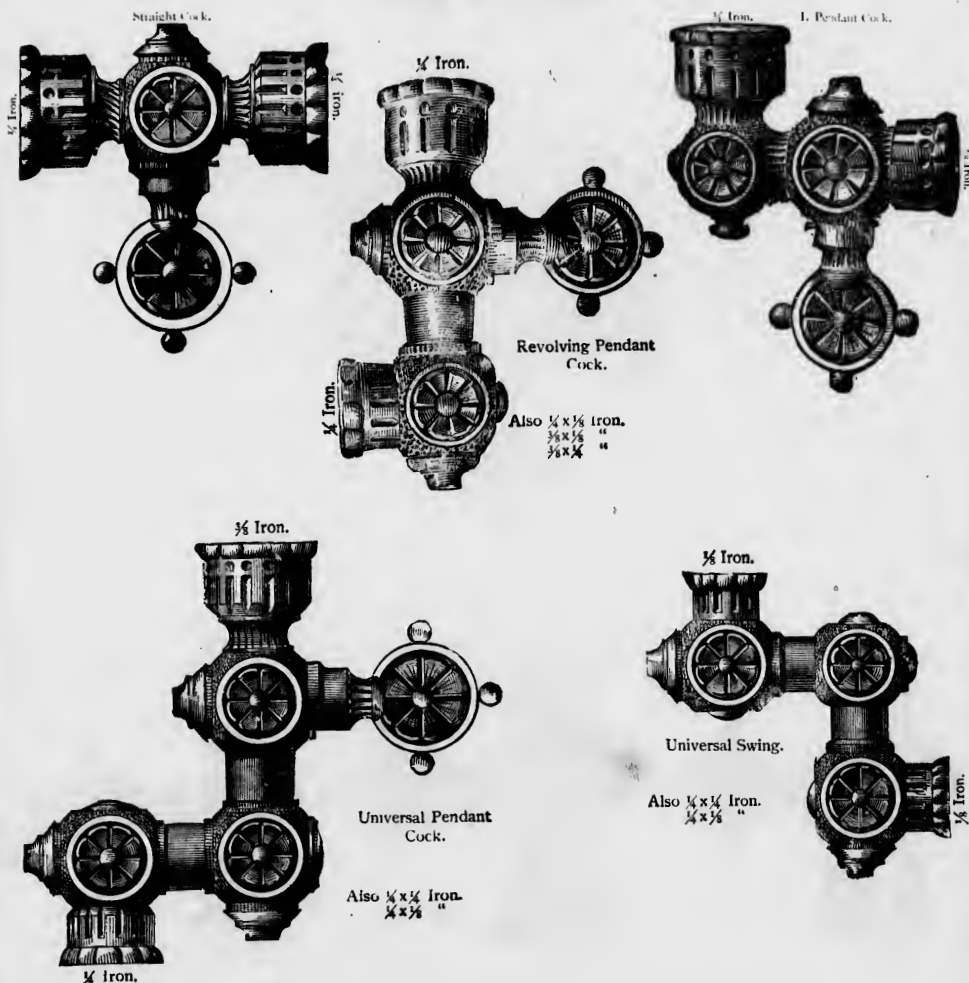
ELBOW BURNER COCKS.

SIZE.....	1/8	1/4	3/8	1/2
Per dozen.....	\$4 50	5 25	6 00	7 00
Per dozen, Extra Heavy.....		7 50	8 50	9 00
Per dozen, 4 inches long.....		8 00	8 00	...

PILLAR COCKS.

SIZE.....	1/8	1/4	3/8	1/2	3/4
Per dozen.....	\$3 25	4 00	5 25	6 50	7 50
Per dozen, Extra Heavy.....		6 75	7 25	8 00	...
Per dozen, 4 inches long.....		7 00	8 00	8 25	...

GAS FITTINGS



STRAIGHT COCKS.

SIZE	$\frac{1}{2} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{3}{4}$	$\frac{3}{4} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{3}{4}$	$\frac{1}{2} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{3}{4}$
Per dozen	\$3 50	4 40	4 50	5 00	5 40	7 90
Per dozen, Extra Heavy			6 80			

REVOLVING PENDANT COCKS.

ELBOW PENDANT COCKS.

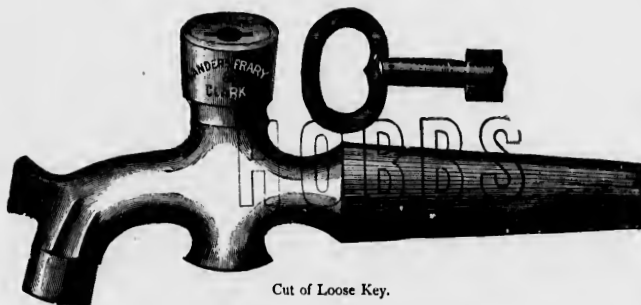
SIZE	$\frac{1}{4} \times \frac{1}{2}$	$\frac{1}{4} \times \frac{3}{4}$	$\frac{3}{8} \times \frac{1}{2}$	$\frac{3}{8} \times \frac{3}{4}$	SIZE	$\frac{1}{4} \times \frac{1}{2}$	$\frac{1}{4} \times \frac{3}{4}$	$\frac{3}{8} \times \frac{1}{2}$	$\frac{3}{8} \times \frac{3}{4}$
Per dozen	\$7 00	7 00	8 00	8 00	Per dozen	\$4 40	5 30	5 40	5 40
Per dozen, Extra Heavy		10 80	10 80		Per dozen, Extra Heavy	8 00	8 25	8 50	8 50

UNIVERSAL PENDANT COCKS.

UNIVERSAL SWING JOINTS.

SIZE	$\frac{1}{4} \times \frac{1}{2}$	$\frac{1}{4} \times \frac{3}{4}$	$\frac{3}{8} \times \frac{1}{2}$	$\frac{3}{8} \times \frac{3}{4}$	SIZE	$\frac{1}{4} \times \frac{1}{2}$	$\frac{1}{4} \times \frac{3}{4}$	$\frac{3}{8} \times \frac{1}{2}$	$\frac{3}{8} \times \frac{3}{4}$
Per dozen	\$9 40	9 40	10 20	15 00	Per dozen	\$7 40	7 90	7 90	8 60
Per dozen, Extra Heavy			15 00	17 00	Per dozen, Extra Heavy	10 00	10 00	11 50	11 50

BRASS COCKS



Cut of Loose Key.

LOOSE KEY, BRASS COCKS.

Size, inch,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Per dozen,	\$						



Cut of Fast Key.

FAST KEY, BRASS COCKS.

Size, inch,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Per dozen,	\$						

PETROLEUM FAUCETS

Half Size Cut of $\frac{1}{4}$ inch.

JAPANNED TO SCREW.

$\frac{1}{2}$ inch, Brass Lever Handle, Solid Brass Plug	per dozen, \$
$\frac{3}{4}$ inch, Japanned Iron Lever Handle, Iron Plug, Brass Bushed	per dozen,
$\frac{1}{2}$ inch, Japanned Iron Lever Handle, Iron Plug, Brass Bushed	per dozen,
1 inch, Japanned Iron Lever Handle, Iron Plug, Brass Bushed	per dozen,

"PERFECTION"

OIL AND MOLASSES GATES



Sizes, inch,
Per dozen,

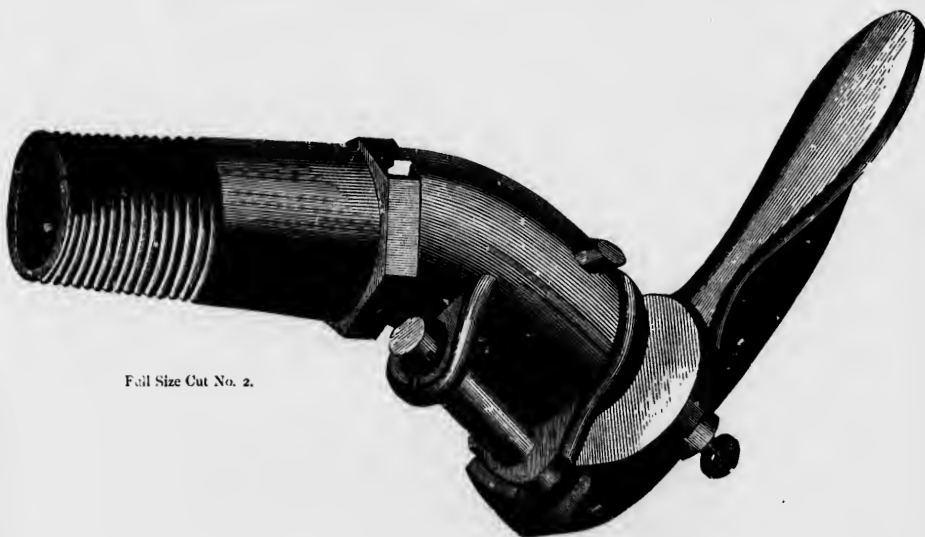
\$ 1/2

3/4

1

1 1/4

STEBBINS' MOLASSES AND OIL GATES



Foil Size Cut No. 2.

JAPANNED. TO SCREW.

No. 1	13/15 inch, inside Diameter	-	-	-	-	-	-	per dozen, \$
No. 2	7/8 inch, inside Diameter	-	-	-	-	-	-	per dozen,
No. 3	1 1/4 inch, inside Diameter	-	-	-	-	-	-	per dozen,
No. 4	1 3/8 inch, inside Diameter	-	-	-	-	-	-	per dozen,
No. 5	1 1/2 inch, inside Diameter	-	-	-	-	-	-	per dozen,



PATENT

SELF-MEASURING FAUCETS.

FOR MOLASSES, THICK OILS, VARNISHES, ETC.

Each \$

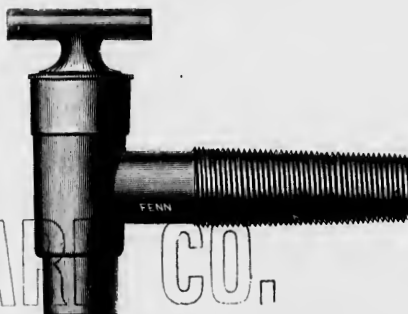
CHEESE VAT GATES.



CHEESE VAT GATES.

- No. 1 Inside Diameter $2\frac{1}{4}$ inches, Length 7 inches, each...\$
 No. 2 Inside Diameter 3 inches, Length $8\frac{1}{4}$ inches, each...
 No. 1 $11\frac{1}{2}$ inch Lever, No. 2 $13\frac{1}{2}$ inch Lever.

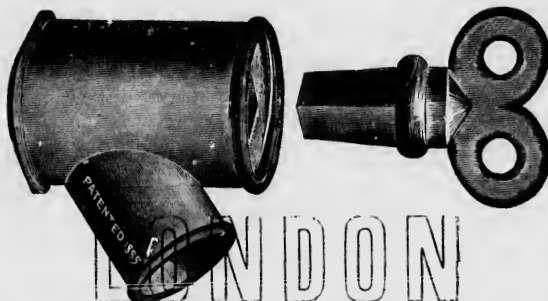
FENN'S CORK STOPS.



FENN'S CORK STOPS, CREAMER FAUCETS.

- No. 2 Fenn's Cork Stops Creamer Faucets, per dozen...\$

WHITE METAL CREAMER TAP
WITH LOOSE KEY.



- No. 3 White Metal Creamer Tap, with Loose Key per dozen, \$

SPECIAL CREAMER GATES



STRAIGHT.

With Lock Lever, extra strong, to prevent breakage when lowering cans. Diameter $\frac{5}{8}$ inch.

JAPANNED.

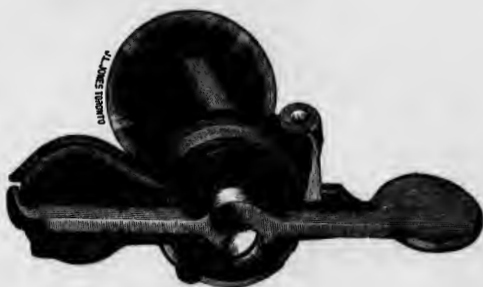
Special Creamer Gates, Japanned	-	.	-	-	-	-	-	-	-	per dozen, \$
---------------------------------	---	---	---	---	---	---	---	---	---	---------------

TINNED.

[illegible]

Tinned Creamer Gates.

WITH FLANGE AND LOCK LEVER.



Full Size Cut of No. 200.

White Metal Creamer Gates.

WITH SCREW PLUG.



Full Size Cut of No. 1.

[illegible][illegible]

FAUCETS



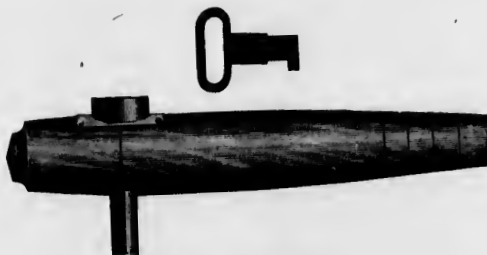
WOOD BODY, TINNED MALLEABLE
IRON KEY AND CAP.

- No. 1 7½ inches Long by ¾ inch on End, per dozen...\$
 No. 2 9 inches Long by ¾ inch on End, per dozen...
 No. 3 11½ inches Long by ¾ inch on End, per dozen..



METAL PLUG, LEATHER LINED.

- No. 21 7½ inches Long by ¾ inch on End, per dozen...\$
 No. 22 9 inches Long by ¾ inch on End, per dozen..
 No. 23 11½ inches Long by ¾ inch on End, per dozen.



STYLE NO. 102, APPLEWOOD BODY.

LOCK FAUCET, METAL LOCK PLUG.

- No. 6 7 inches Long
 No. 5 7½ inches Long
 No. 4 8½ inches Long

HARDWARE CO.

per dozen, \$
 per dozen,
 per dozen,



APPLEWOOD BODY, METAL PLUG, PERFORATED.

- No. 5 6½ inches Long
 No. 3 7½ inches Long

per dozen, \$
 per dozen,

CHERRY FAUCETS, HEAVY.

9 inches Long

per dozen, \$

REDLICH'S RUBBER SOAKED FAUCETS.

- No. 2 8 inches Long
 No. 4 10 inches Long

per dozen, \$
 per dozen,

CORK LINED WOOD FAUCETS.

Nos.
 Length, inches,
 Per dozen, \$

2
 7

4
 8

6
 9

8
 10

FILES

MANUFACTURED BY HENRY DISTON & SONS

"DISTON" AND "KEYSTONE" BRANDS.

The following cuts are engraved from Files 12 inches long. If longer than 12 inches the cuts will be coarser, if smaller they will be finer in proportion.

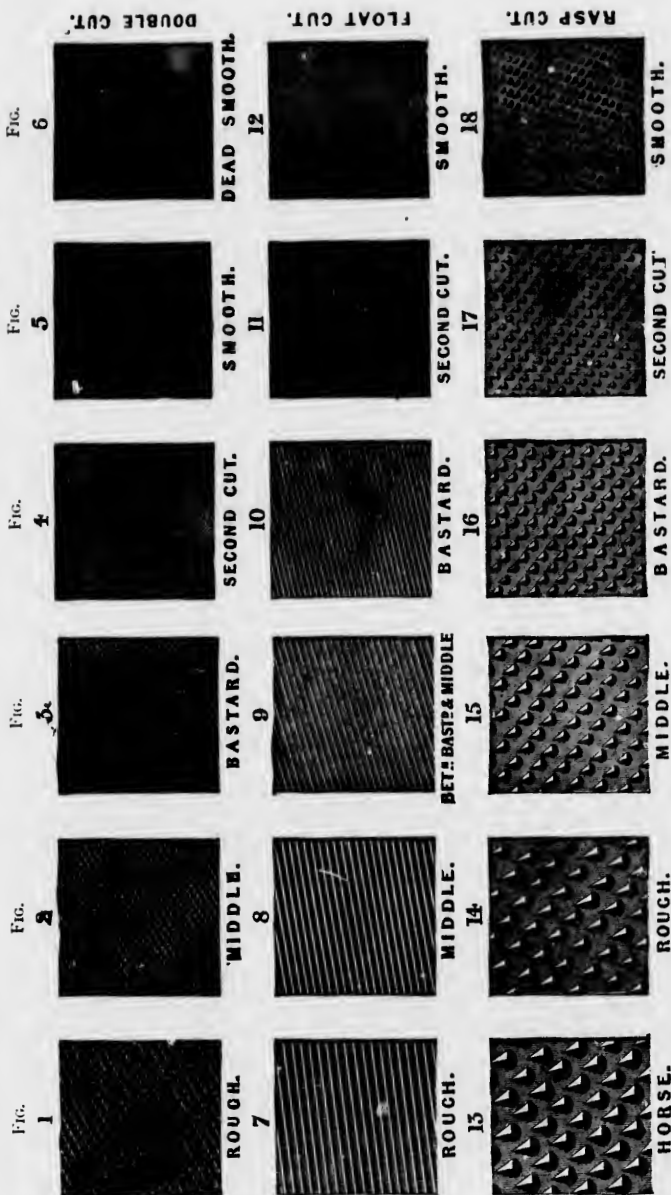




Fig. 19 MILL SAW FILE, SECOND CUT, 8 inches.



Fig. 20 FLAT FILE, BASTARD, 8 inches.



Fig. 21 HALF ROUND FILE, BASTARD, 8 inches.



Fig. 22 FOUR-SQUARE FILE, BASTARD, 8 inches.



Fig. 23 ROUND FILE, BASTARD, 8 inches.

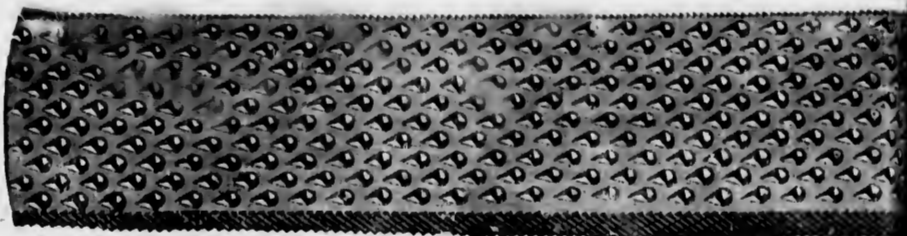


Fig. 24.

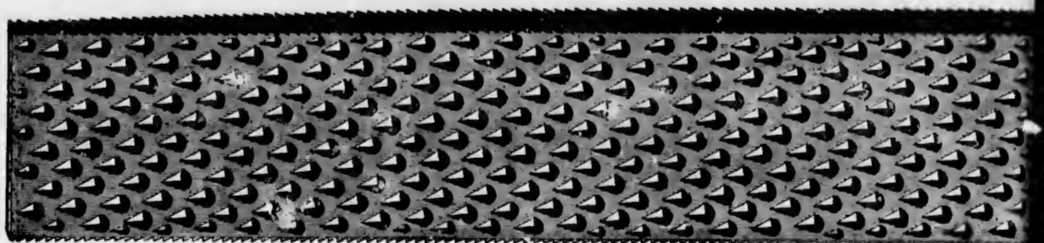


Fig. 25.

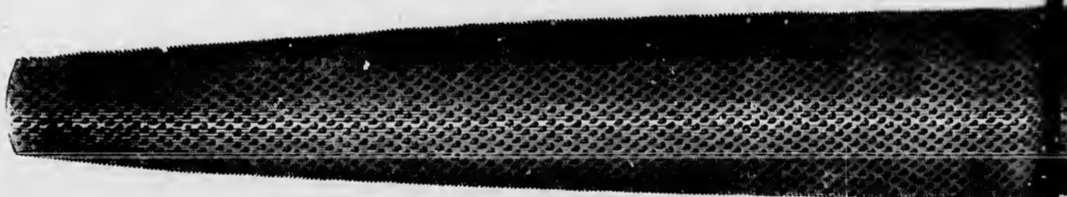
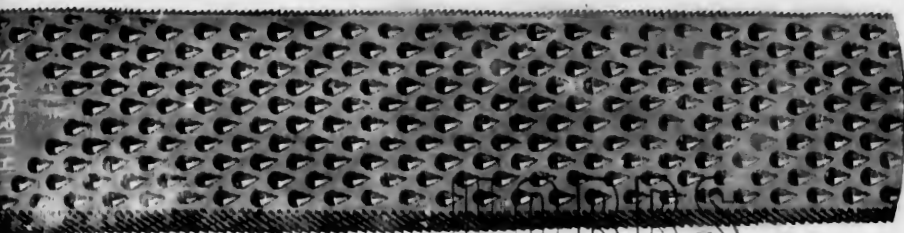


Fig. 26.



PLAIN HORSE RASP. 14 Inches.



TANGED HORSE RASP. 12 Inches.



CABINET RASP. 12 Inches.



Fig. 27, FLAT WOOD RASP, 8 inch.



Fig. 28, HALF ROUND WOOD RASP, 8 inch.



Fig. 29, PLAIN FLAT SHOE RASP, 8 inch.

PIT SAW FILES.
Fig. 30



THREE-SQUARE TAPER FILES



Fig. 31, Size, 4 inches.



Fig. 32, Size, 4 1/4 inches.



Fig. 33, Size, 6 inches.

















































































Fig. 34, Size, 7 inches.



Fig. 35, Size, 8 inches.

SECTIONAL DIAGRAMS
 SHOWING THE
SIZE, SHAPE AND PROPORTIONS
 OF THE
REGULAR KINDS OF FILE STEEL.

MILL-SAW.	FLAT.	HALF-ROUND.	ROUND.	SQUARE.
 3 IN.	 3 IN.	 3 IN.	 3	 3
 4 IN.	 4 IN.	 4 IN.	 4 IN.	 4 IN.
 5 IN.	 5 IN.	 5 IN.	 5 IN.	 5 IN.
 6 IN.	 6 IN.	 6 IN.	 6 IN.	 6 IN.
 8 IN.	 8 IN.	 8 IN.	 8 IN.	 8 IN.
 10 IN.	 10 IN.	 10 IN.	 10 IN.	 10 IN.
 12 IN.	 12 IN.	 12 IN.	 12 IN.	 12 IN.
 14 IN.	 14 IN.	 14 IN.	 14 IN.	 14 IN.
 16 IN.	 16 IN.	 16 IN.	 16 IN.	 16 IN.
THREESQUARE.	PILLAR.	PIT SAW.	SHOE RASPS.	
 3 IN.	 3 IN.	 3 IN.	 7 IN.	
 4 IN.	 4 IN.	 3 1/2 IN.	 8 IN.	
 6 IN.	 5 IN.	 4 IN.	 9 IN.	
 8 IN.	 6 IN.	 4 1/2 IN.	 10 IN.	
 10 IN.	 8 IN.	 5 IN.		HORSE RASPS.
 12 IN.	 10 IN.	 6 IN.	 12 IN.	
	 12 IN.	 8 IN.	 13 IN.	
	 14 IN.	 10 IN.	 14 IN.	
	 16 IN.	 12 IN.	 15 IN.	
			 16 IN.	

PRICE LIST OF AMERICAN FILES AND RASPS

MILL AND ROUND.				FLAT AND SQUARE.				HAND WARDING & PILLAR.				HALF RD. & THREE SQUARE			
INCH.	Bastard	2nd Cut	Smooth	INCH.	Bastard	2nd Cut	Smooth	INCH.	Bastard	2nd Cut	Smooth	INCH.	Bastard	2nd Cut	Smooth
4	\$ 1 80	\$ 2 15	\$ 2 40	4	\$ 2 00	\$ 2 40	\$ 2 65	4	\$ 2 25	\$ 2 70	\$ 3 00	4	\$ 2 50	\$ 3 00	\$ 3 30
5	2 00	2 40	2 65	5	2 20	2 60	2 90	5	2 50	3 00	3 30	5	2 80	3 35	3 70
6	2 25	2 65	2 95	6	2 50	2 95	3 25	6	3 00	3 45	3 65	6	3 20	3 80	4 15
7	2 55	3 00	3 30	7	2 90	3 40	3 75	7	3 40	3 75	4 15	7	3 70	4 35	4 80
8	2 90	3 40	3 70	8	3 40	4 00	4 35	8	3 70	4 35	4 75	8	4 30	5 00	5 50
9	3 30	3 85	4 20	9	4 00	4 70	5 10	9	4 35	5 00	5 55	9	5 00	5 85	6 40
10	3 80	4 40	4 80	10	4 70	5 45	5 90	10	5 20	6 00	6 55	10	5 80	6 75	7 30
11	4 50	5 20	5 65	11	5 60	6 50	7 05	11	6 30	7 30	7 95	11	6 70	7 75	8 45
12	5 40	6 20	6 75	12	6 70	7 70	8 40	12	7 50	8 60	9 40	12	7 80	9 00	9 75
13	6 50	7 45	8 05	13	8 00	9 15	10 00	13	8 90	10 20	11 00	13	9 10	10 40	11 25
14	7 80	8 90	9 65	14	9 50	10 90	11 80	14	10 50	12 00	13 00	14	10 60	12 10	13 10
15	9 30	10 60	11 45	15	11 20	12 75	13 75	15	12 30	14 00	15 10	15	12 40	14 15	15 25
16	11 00	12 50	13 40	16	13 10	14 85	16 00	16	14 30	16 20	17 50	16	14 50	16 50	17 70
17	12 90	14 60	15 60	17	15 25	17 25	18 45	17	16 60	18 75	20 10	17	16 90	19 10	20 50
18	15 10	16 90	18 10	18	17 65	19 75	21 20	18	19 20	21 50	23 00	18	19 60	22 00	23 50
19	17 60	19 70	21 10	19	20 30	22 75	24 35	19	22 10	24 75	26 50	19	22 60	25 30	27 10
20	20 40	22 85	24 50	20	23 20	26 00	27 85	20	25 30	28 35	30 35	20	26 00	29 10	31 20

EXTRAS.

Mill, Double Cut, advance 1 in.
Mill, Narrow Points, " 1 "
Cross Cut Saw (Blunt), " 2 "

EXTRAS.

Cant Blunt (Double Cut), adv. 2 in.

EXTRAS.

Ginsaw (Single Cut), take Bastard price.
Slotting (Blunt), advance 2 inches.

EXTRAS.

Knife, advance 1 in.
High Back Half Rd (Blunt) " 2 "
Cross (Blunt) " 2 "
Feather Edge (Blunt) " 2 "

INCH....	3	3½	4	4½	5	5½	6	7	8	9	10	11	12	13	14
Tapers, Single Cut.....	1 10	1 10	1 20	1 40	1 70	2 00	2 40	3 00	3 80	4 60	5 70	7 20	9 00	11 00	13 20
Tapers, Double Cut.....	1 60	1 60	1 75	2 00	2 40	2 75	3 25	4 00	4 95	5 90	7 10	8 80	10 80	12 90	15 20
Slim Tapers, Single Cut.....	1 20	1 20	1 30	1 45	1 70	1 90	2 10	2 50	3 00	3 70	4 50	5 50	6 80	8 30	10 00
Slim Tapers, Double Cut.....	1 80	1 80	2 00	2 20	2 60	2 85	3 30	4 00	4 95	5 90	7 10	8 80	10 80	12 90	15 20
Pitsaw Blunt, Single Cut.....	1 10	1 10	1 20	1 40	1 70	2 00	2 40	3 00	3 80	4 60	5 70	7 20	9 00	11 00	13 20
Hooktooth Blunt, Single Cut.....	1 10	1 10	1 20	1 40	1 70	2 00	2 40	3 00	3 80	4 60	5 70	7 20	9 00	11 00	13 20

EXTRAS.....

Band saw, Heavy, Blunt, take Taper Double Cut price.
Band saw, Light, " take Slim Taper Double Cut price.
Cant saw, Blunt, Single Cut { Take Pitsaw price.
Round Gulleting, Blunt, Single Cut {
Round Off, Blunt, Single Cut, take Hooktooth price.
Tapers, pointed at both ends (without handles), double the price of Slim Tapers of Half their length.

INCH....	6	7	8	9	10	11	12	13	14	15	16	17	18
HORSE RASPS (Plain					6 50	7 50	9 00	10 70	12 70	15 00	17 60	20 50	23 70
Beveled and ¾ Rasp.....					7 20	8 30	10 00	11 80	14 00	16 50	19 40	22 50	26 00
Tanged					9 00	10 25	12 00	14 00	16 50	19 50	23 00		
WOOD RASPS, Half Round and Flat.....	4 20	5 00	6 10	7 30	8 75	10 40	12 30	14 50	16 90	19 60	22 50		
CABINET (Rasps.....	6 00	7 00	8 20	9 60	11 20	13 00	15 00	17 20	19 60	22 20	25 00		
Files.....	4 20	5 00	6 10	7 30	8 75	10 40	12 30	14 50	16 90	19 60	22 50		
SHOE RASPS, (Half Round and Flat.....	4 60	5 30	6 10	7 00	8 00	9 10	10 30	11 60	13 00				
Oval.....	5 30	6 10	7 00	8 00	9 10	10 30	11 60						

EXTRAS.....

File Rasps, Flat and Half Round, take Flat and Half Round Wood Rasp price.
Wood File, Flat and Half Round, take Flat and Half Round Bastard price.
Last Makers' Rasps, 1 inch advance on Cabinet Rasp price.

EXTRAS—GENERAL.

One Round Edge, Advance 7½ per cent., and Two Round Edges, 15 per cent. on respective Kinds and Cuts.
Blunt Files (not specified), advance one inch on respective Kinds and Cuts. Dead Smooth, double the price of Bastard Cut.
Equalings (Bellied) advance 2 inches on respective Kinds and Cuts.
Sizes, Below 4 Inches, not extended, take 4 inch price. 1-2 inches not specified, take next higher full inch price.
Rough, Coarse, Union Cut, Brass, or Other than Regular Cut (not specified) made upon Regular or Standard-shaped Blanks, advance one inch on respective Kinds and Cuts.
Single, or Float Cut (not specified), on Regular Shapes, take Double Cut price.
Irregular Goods—All lengths above those listed and Files varying from Standard Sizes to be classed as Irregular and subject to special prices.
Stave Saw Files, advance 1 inch on Pitsaw File price.
Inserted Tooth Saw Files, advance one inch on Hook Tooth Saw File price.

FILES



PRICE LIST OF

THOS. JOWITT & SONS' AND SPEAR & JACKSON'S FILES.

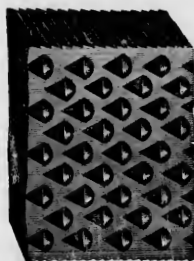
INCHES.....	4	5	6	7	8	9	10	11	12	13	14	15	16	18
Flat, Half Round, Round, Square, Warding and Mill-Saw Bastard.....	1 15	1 40	1 70	2 10	2 50	3 00	3 60	4 30	5 20	6 00	7 20	8 70	10 30	14 50
Mill-Saw, 2nd Cut, Flat and Half Round, 2nd Cut.....	1 35	1 60	2 00	2 40	2 90	3 25	4 10	4 80	5 75	6 50	8 00	10 00	12 00	
Hand, Bastard.....	1 25	1 50	2 10	2 50	2 90	3 60	4 30	5 20	6 00	7 20	8 70	10 30	12 00	
Hand, 2nd Cut.....	1 45	1 80	2 40	2 90	3 25	4 10	4 80	5 75	6 50	7 20	8 70	10 10	12 50	15 00
Hand, Smooth.....	1 80	2 15	2 75	3 25	3 70	4 60	5 50	6 40	7 20	8 70	10 10	12 50	15 00	
Hand, Dead Smooth.....	2 70	4 20	5 70	7 20	8 40	10 80								
Flat and Half Round Smooth Files.....	}	1 60	2 00	2 30	2 80	3 25	3 70	4 60	5 50	6 40	7 20	8 70	10 10	12 50
Cabinet Files and Rasps.....														
Flat and Half Round Wood Rasps.....														
Horse and Shoe Rasps.....														
Patent Double Struck Horse Rasps.....														
Improved Bevelled Edge Horse and Shoe Rasps.....														
Tanged Horse Rasps.....														
INCHES.....	3	3½	4	4½	5	5½	6	7	8	9	10	11	12	
Three-Square Taper Files.....	0 95	0 95	1 10	1 20	1 30	1 40	1 80	2 30	2 90	3 70	4 70	5 70	7 00	
Three-Square Blunts.....	1 20	1 20	1 30	1 60	1 80	2 10	2 30							
Hand Saw Files.....	1 55	1 55	1 80	2 05	2 30									
Pit or Frame Saw Files.....														

Mill-Saw Files, with two Round Edges, to advance one-half inch on their respective sizes.

Round and Square Parallel Files to advance one inch on their respective descriptions.

Equalling and Parallel Cotter Files, Bastard, to advance one inch on Flat Bastard prices. Shoe Kit Files, \$1.25 per set.

HELLER'S HORSE RASPS.



TANGED.



PLAIN.

Size, inches,
Plain, per dozen,
Tanged, per dozen,

12
\$ 9 00
12 00

14
12 70
16 50

15
15 00
19 50

16
17 60
23 00

THE NEW LANGDON MITRE BOX

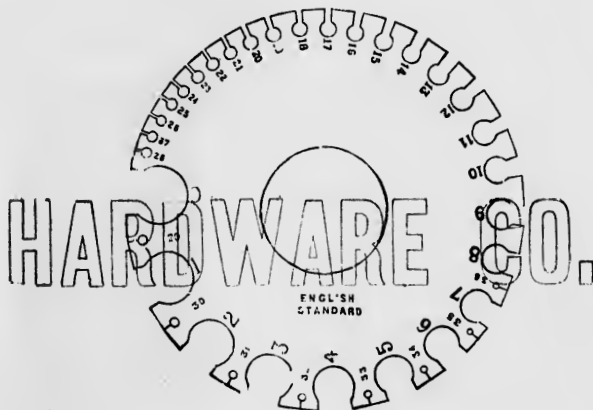


Size **2** Complete, with Saw

each, \$

WIRE GAUGES

ENGLISH STANDARD, CAST STEEL.



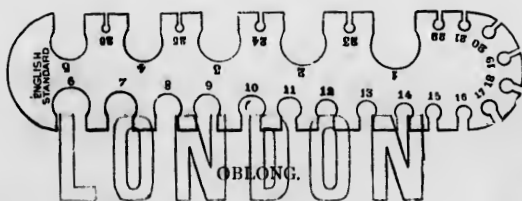
ROUND.

No. **1** Large, Round, Nos. 0 to 36

per dozen, \$

No. **2** Small, Round, Nos. 6 to 36

per dozen,



No. **3** Oblong, Large, Nos. 0 to 36

per dozen, \$

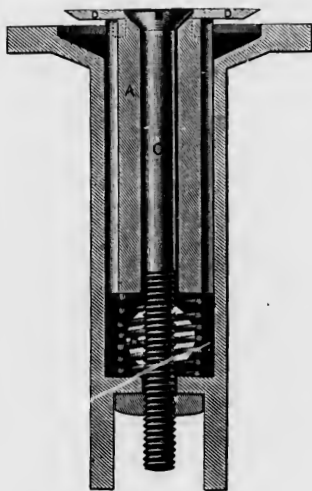
No. **4** Oblong, Small, Nos. 1 to 26

per dozen,

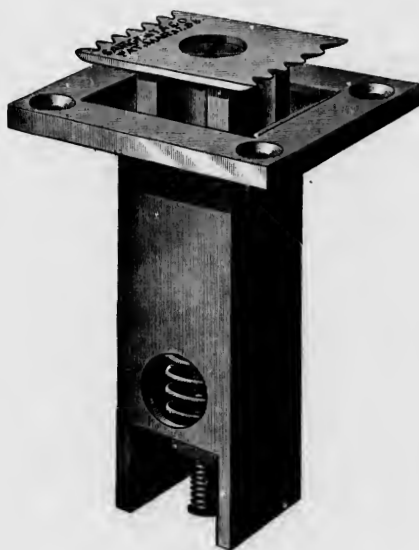
STRAIGHT EDGES AND MEASURES

[illegible]

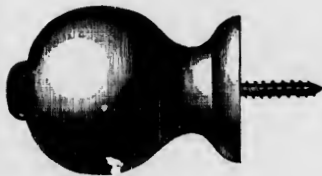
BENCH HOOKS



Sectional View of No. 41.



Full Size Cut of No. 41.

[illegible]

BASE KNOBS

RUBBER TIPPED.

2 1/2 inch, Beech	-	-	-	-	-	per gross, \$
3 inch, Beech	-	-	-	-	-	per gross,
2 1/2 inch, Walnut	-	-	-	-	-	per gross,
3 inch, Walnut	-	-	-	-	-	per gross,

HANDLES

COMMON BRAD AWL.



PATENT PEG AWL.



No. 6.

- | | | |
|--------|--|---------------|
| No. 1 | Common Brad Awl Handles, Brass Ferrule and Polished | per gross, \$ |
| No. 11 | Hickory Pegging Awl, Brass Ferrule | per gross, \$ |
| No. 6 | Hickory Pegging Awl, Leather Top, Steel Screw and Nut, with Wrench | per dozen, |

COMMON SEWING AWL.



No. 10.

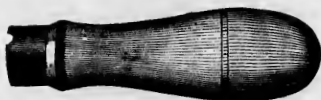
PATENT SEWING AWL.



No. 6 1/2.

- | | | |
|-----------|---|---------------|
| No. 10 | Common Sewing Awl Handles, Brass Ferrule | per gross, \$ |
| No. 6 1/2 | Patent Sewing Awl Handles, Steel Screw and Nut, with Wrench | per dozen, |

COMMON FILE.

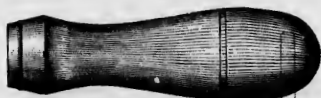


SCREW DRIVER.



- | | | |
|-------|--|---------------|
| No. 2 | Common File Handles, Brass Ferrules | per gross, \$ |
| No. 3 | Screw Driver Handles, Beech Wood | per dozen, |
| No. 4 | Screw Driver Handles, Ebonized, Nickel Plated Ferrules | per dozen, |

SOLDERING COPPER.



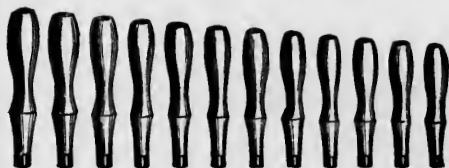
TANG FIRMER CHISEL.



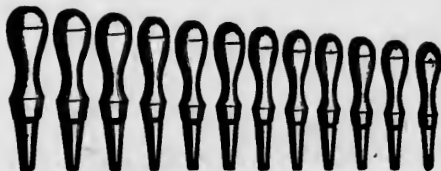
- | | | |
|--------|---|---------------|
| No. 5 | Soldering Copper Handles | per gross, \$ |
| No. 50 | Boxwood Tang Firmer Chisel Handles, Octagon, Assorted | per dozen, |

HANDLES

TANG FIRMER CHISEL.



SOCKET FIRMER CHISEL.



- | | | | | | |
|--------|--|---|---|---|---------------|
| No. 65 | Hickory Tang Firmer Chisel Handles, Polished, Brass Ferrules, Assorted | - | - | - | per gross, \$ |
| No. 60 | Applewood Tang Firmer Chisel Handles, Polished, Brass Ferrules, Assorted | - | - | - | per gross, |
| No. 65 | Hickory Socket Firmer Chisel Handles, Polished, Assorted | - | - | - | per gross, |
| No. 70 | Applewood Socket Firmer Chisel Handles, Polished, Assorted | - | - | - | per gross, |

SOCKET FRAMING CHISEL.



- | | | | | | | |
|--------|--|---|---|---|---|---------------|
| No. 75 | Hickory Socket Framing Chisel Handles, Iron Ring | - | - | - | - | per gross, \$ |
|--------|--|---|---|---|---|---------------|

AUGER HANDLES.

- | | | | | | | |
|--------|---------------------------------|---|---|---|---|---------------|
| No. 80 | Common Auger Handles, Assorted | - | - | - | - | per dozen, \$ |
| No. 85 | Patent Adjustable Auger Handles | - | - | - | - | per dozen, |

JACK PLANE.



No. 90.

FORE PLANE.

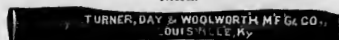


No. 95.

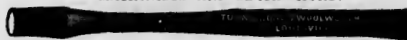
- | | | | | | | |
|--------|---------------------------|---|---|---|---|---------------|
| No. 90 | Jack Plane Handles, Beech | - | - | - | - | per dozen, \$ |
| No. 95 | Fore Plane Handles, Beech | - | - | - | - | per dozen, |

HAMMER HANDLES.

NAIL.



MACHINISTS' AND BLACKSMITHS'.



- | | | | | | | |
|---------------------------------------|---|---|---|---|---|-------------------|
| Second Growth Hickory Adze Eye Hammer | - | - | - | - | - | per dozen, \$0 75 |
|---------------------------------------|---|---|---|---|---|-------------------|

- | | | | | | | |
|---|------------|--------|------|------|------|------|
| | Inch, | 14 | 16 | 18 | 20 | 22 |
| Second Growth Hickory, Machinists' and Blacksmiths' | per dozen, | \$0 85 | 1 00 | 1 15 | 1 30 | 1 50 |
| Extra Hickory, Machinists' and Blacksmiths' | per dozen, | 60 | 70 | 80 | 90 | 1 10 |

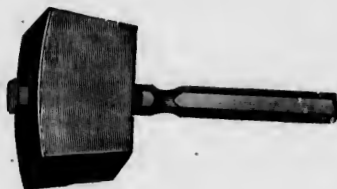
BRASS FERRULES

Nos.	00	0	1	2	3	4	5	6	7	8	9	10
Diameter,	1 inch	15/16	28/32	26/32	24/32	22/32	20/32	9/16	7/8	7/16	3/4	5/16
Depth,	19/32	9/16	17/32	1/2	15/32	7/16	13/32	3/4	11/32	5/16	9/32	1/4
Per gross,	81 50	1 30	1 10	88	75	70	65	55	45	45	45	45

MALLETS



No. 3.



No. 10.

- No. 3 Round Hickory, Mortised Handle, 6 inches long x 4 inches diameter
 No. 10 Square Hickory, Mortised Handle, 7 inches long x 3 x 4 inches diameter

per dozen, \$
 per dozen,

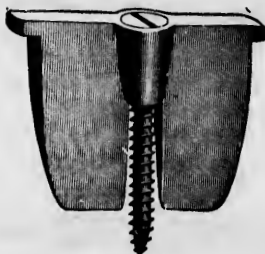


No. 4.

- No. 4 Round Hickory, Round Handle, 5 to 5½ inches long, assorted, 1¼ and 1½ inches in diameter

per dozen, \$

AXE WEDGES



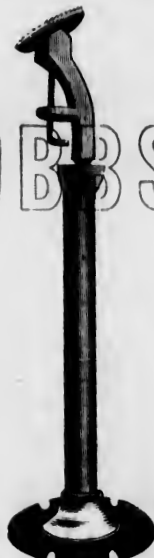
Axe Wedges, Japanned

per dozen, \$

PEG BREAKS



No. 59.



No. 64.



No. 62.

- No. 59 Heavy Cast Steel
 No. 62 Standard, with Clinch
 No. 64 Heavy Standard, with one Clincher and one Catter

per dozen, \$
 per dozen,
 per dozen,



- No. 0
 No. 1
 No. 2
 No. 3

GLUE POTS

ENAMELED OR TINNED.

per dozen, \$ 6 00
 per dozen, 6 75
 per dozen, 8 40
 per dozen, 10 26

Discount, per cent

THE HANDY

FAMILY GLUE POT



Per dozen

\$

ZINC SCREW OILERS



Zinc Oiler, Spun Bottom.

ZINC OILERS, SPUN BOTTOM.

Nos.	0	1	2	3	4
Per dozen, \$					

OLMSTEAD'S PATTERN.

Nos.	0	1	2	3
Per dozen,	\$			

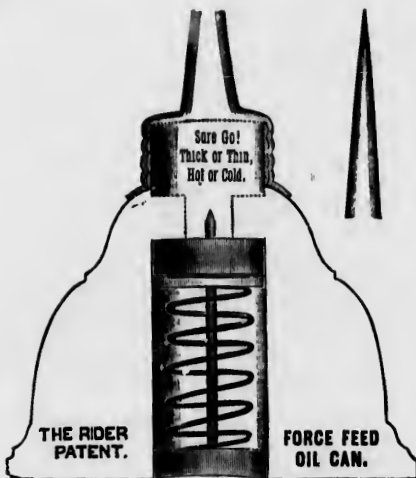


Olmstead's Pattern.

PATENT FORCE FEED OIL CAN



No. 3 "Paragon" Force Feed
Oil Can.



Actual Size of No. 2.

[illegible]

BICYCLE OILERS.

No. 10	Gilt Bicycle Oilers	.	.	per dozen, \$
No. 20	Nickel Plated Bicycle Oilers	.	.	per dozen,
No. 30	Gilt Machine Oilers	.	.	per dozen,



Nos. 10 and 20.

TINNERS' SHEARS



HAND SHEARS OR SNIPS, LEFT HAND.

No. 8	Hand, Cut $3\frac{1}{2}$ inches	per dozen, \$
No. 9	Hand, Cut 3 inches	per dozen,
No. 10	Hand, "Ajax," Cut $2\frac{1}{2}$ inches	per dozen,



CIRCULAR HAND SHEARS.

No. 8	Circular	per dozen, \$
No. 9	Circular	per dozen,



PLATERS' SHEARS.

No. 3	Cut $2\frac{1}{2}$ inches	per dozen, \$
No. 5	Cut $1\frac{1}{2}$ inches	per dozen,

SOLDERING COPPERS



EXTRA FINISH.

Nos.	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5
Weight,	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5 pounds per pair.
Soldering Coppers						per pound, \$	

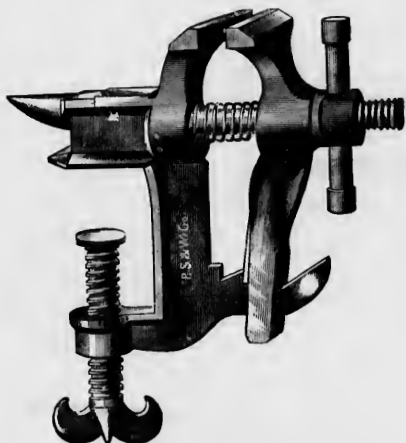
PLUMBERS' OR MELTING LADLES



CAST BOWL, WROUGHT HANDLE.

Nos.	1	2	3	4	5	6	7
Inches across Bowl,	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6
Per dozen,	\$						

BENCH VISES



Three-quarter Size Cut of No. 10.

JEWELERS' VISE, WITH CLAMP AND POLISHED JAWS.

No. 10 1½ inch Jaw, with Anvil . . . per dozen, \$



One-half Size Cut of No. 2.

UNIVERSAL VISE, WITH CLAMP AND POLISHED JAWS.

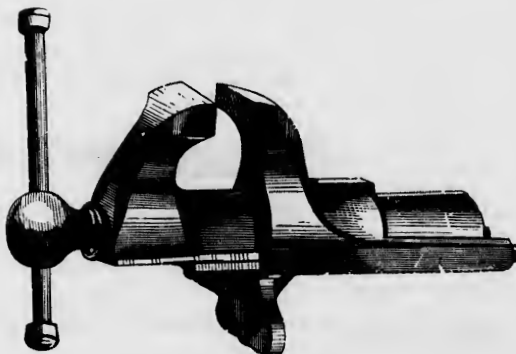
No. 2 2 inch Jaw . . . per dozen, \$

PARALLEL VISES

SOLID BOX VISES



No. 1.



OVAL SLIDE, STEEL FACED JAWS.

Nos. 1 to 4.

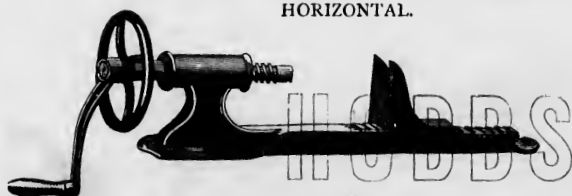
	Width of Jaws.	Jaws Open.	Weight.	Each.
No. 1	2½ inches	5½ inches	13 lbs.	\$
No. 2	3 inches	5¾ inches	20 lbs.	.
No. 3	4 inches	6½ inches	25 lbs.	.
No. 4	4¾ inches	7½ inches	37½ lbs.	.

SOLID BOX VISES.

No. 1 30 to 100 lbs. per pound, cents.

BLACKSMITHS' DRILLS

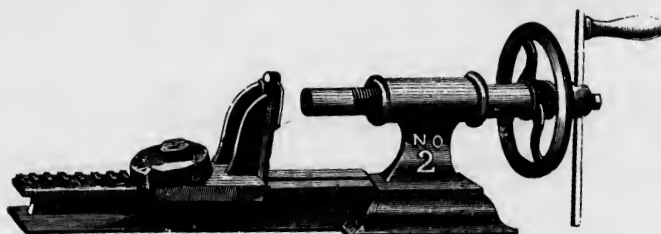
HORIZONTAL.



No. 1.

PAINTED AND STRIPED.

No. 1 Length of Bed 30 inches, Socket for $\frac{1}{2}$ inch, Round Drill Shank, weight 30 lbs., each, \$



No. 2

PAINTED AND STRIPED.

No. 2 Length of Bed 26 inches, Socket for $\frac{1}{2}$ inch Round Drill Shank, Wrought Iron Extension Crank, Eccentric Adjusting Paul on Tail Block, Weight 45 pounds each, \$

No. 6 Length of Bed, 34 inches, Diameter of Balance Wheel 15 inches, Diameter of Feed Wheel 7 inches, Diameter of Spindle $1\frac{1}{4}$ inches, Socket for $\frac{1}{2}$ inch Round Drill Shank, Geared for Three Speeds, Wrought Iron Extension Crank, Drills holes $\frac{1}{8}$ to $\frac{1}{4}$ inch, Weight 96 pounds, Self Feeding, for Hand each, \$

UPRIGHT.



No. 6.

MORTISING MACHINES.



No. 2.

IRON FRAME, WOOD SPRINGS, WOOD TABLE.

COMPLETE WITH CHISELS $\frac{3}{8}$, $\frac{1}{2}$ AND $\frac{5}{8}$ INCH. CHISELS LIPPED TO DRAW CHIPS FROM MORTISE.

No. 1 Height 4 feet 5 inches each, \$ | No. 2 Height 4 feet 6 inches each, \$

BLACKSMITHS' TUYERE IRONS



No. 0, in one piece.



No. 2, in three pieces.



No. 1, in one piece.

No. 0	Weight 16 lbs., length 10 inches	each, \$
No. 1	Weight 24 lbs., length 10 inches	each,
No. 2	Crow's Nest Pattern, 15 inches long, diameter of Circular Portion 7 inches, 3 inch Hole, weight 19 lbs.	each,

MOULDERS' BELLOWS



No. 01	9½ inch Moulders' Bellows (imported)	per dozen, \$
No. 1	8 inch, Greenings' Bench	13 50
No. 2	9½ inch, Greenings' Standard	15 00
No. 3	12 inch, Greenings' Large	22 00
No. 4	14 inch, Greenings' Extra Large and Strong	30 00

BLACKSMITHS' BELLOWS.

Inch,	26	28	30	32	34	36	38	40	42	44
No. 1 Each, \$										
No. 2 Each,										

PREPARED CHALK

Half Spheres,		White	Red	Blue
Per gross,	\$			

Half gross in a box.

WHITE CHALK CRAYONS.

White Chalk School Crayons (1 gross in a box)	per gross, \$
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WHITE LUMP CHALK.

White Lump Chalk	per 100 lbs., \$
------------------	------------------

RED CHALK, OR KEEL.

Red Keel, Lump	per 100 lbs., \$
Red Keel, Fingers	per 100 lbs.,

"EAGLE" PENCILS



One dozen in Patent Packing Boxes.

ROUND SHAPE, GOLD STAMPED.

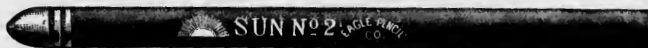
No. 202	Black, Soft Medium	per gross, \$	No. 202½	Specially Graded	per gross, \$
No. 222	Rosewood, Soft Medium	per gross,	No. 222½	Specially Graded	per gross,

SUN PENCILS.



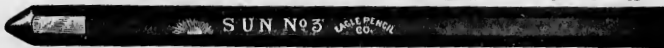
RUBBER PERFECTION.

No. 132	Sun, Black, No. 2 Soft Medium, Rubber Perfection	per gross, \$
No. 178	Sun, Rosewood Finish, No. 2 Soft Medium, Rubber Perfection	per gross,



SUN ROUND, NICKEL TIPS.

No. 98	Sun, Black, No. 2 Soft Medium, Nickel Tips	per gross, \$
No. 119	Sun, Rosewood Finish, No. 2 Soft Medium, Nickel Tips	per gross,



SUN HEXAGON, NICKEL TIPS.

No. 158	Sun, Rosewood Finish, No. 2 Soft Medium, Nickel Tips	per gross, \$
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WITH ERASERS ENCASED IN NICKEL TIPS, STAMPED IN GOLD.

No. 312	"Mercantile," Black, No. 2 Soft Medium	per gross, \$
No. 323	"Mercantile," Rosewood, No. 2 Soft Medium	per gross,



No. 075	"Recorder," No. 2, Small Sized Wood, full length 7 inches, with Nickel Tips	per gross, \$
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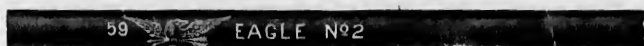
EAGLE SPIRAL PENCILS.

ROUND GILT.

No. 335	No. 2, Rosewood, Rubber encased in Nickel Tips with a Spiral Movement, whereby the Rubber is protected from soiling	per gross, \$
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"EAGLE" PENCILS

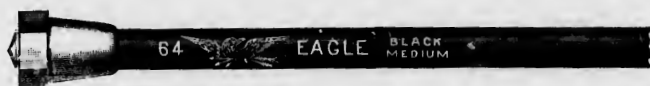
PLAIN ROUND PENCILS.



No. 59	Plain Cedar, Natural, No. 2	per gross, \$
No. 60	Cedar, Highly Polished	per gross, -
No. 63	Black Polished, Medium	per gross,



No. 66	Red Polished, Medium	per gross, \$
No. 67	Natural Polished, Medium	per gross,



No. 64	Black Polished, Medium, with large Rubber Tips	per gross, \$
No. 68	Natural Polished, Medium, with large Rubber Tips	per gross,

CROWN HEXAGON PENCILS.



No. 69	Plain Cedar, Natural No. 2, Hexagon	per gross, \$
No. 75	Red Polished, No. 2, Hexagon, Rubber Tipped	per gross,

PERFECTION ROUND PENCILS.



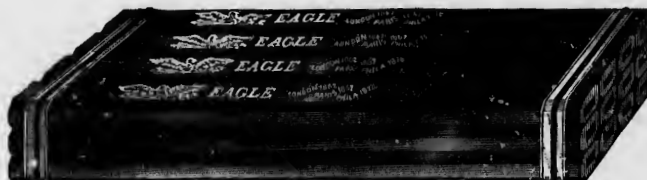
PATENT INSERTED RUBBER HEAD.

No. 140	Cedar, Highly Polished, No. 2	per gross, \$
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EXPRESS PENCILS.

No. 600	Round, Natural, Medium, with Plain Stamp	per gross, \$
No. 46	Round, Black Medium, with Gilt Stamp	per gross,
No. 49	Round, Red Medium, with Gilt Stamp	per gross,
No. 52	Round, Natural Medium, with Gilt Stamp	per gross,
No. 84	Hexagon, Red No. 2, with Gilt Stamp	per gross,
No. 85	Hexagon, Natural No. 2, with Gilt Stamp	per gross,

CARPENTERS' PENCILS.



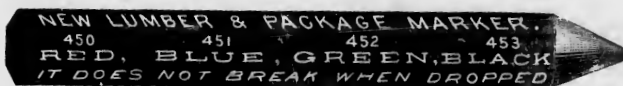
No. 430	"Eagle," White Wood, Oval, with Rule Measure, Colored Stamp, 7 inches	per gross, \$
No. 7042	White Wood, Flat Square, Plain Stamp, 7 inches	per gross,
No. 7647	Cedar Polished, Flat Square, Plain Stamped, 7 inches	per gross,

"EAGLE" CARPENTERS' PENCILS



No. **435** "Eagle" Cedar Polished, Oval, Plain Stamp, 7 inches per gross, \$

EAGLE LUMBER AND PACKAGE MARKER.



Extra Large Hexagon.

With Protective Covering—do not break when dropped.

Nos.
Colors,
Per gross,

450
Red
\$

451
Blue

452
Green

453
Black



BEST COLORED CRAYONS, POLISHED CEDAR.

No. **755** Blue, Polished Cedar
No. **757** Green, Polished Cedar
No. **785** Sun, Red and Blue, Hexagon, 7 inches

per gross, \$
per gross,
per gross,

EAGLE COLORED SLATE CRAYONS.

Encased in Wood, like Lead Pencils, in Four Colors.

Nos.
Colors,
Per gross,

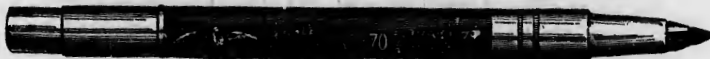
955
Blue
\$

956
Red

957
Green

958
Yellow

EAGLE AUTOMATIC PENCILS.



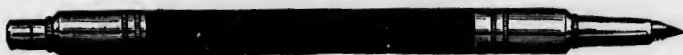
No. **870**, size 2A (extra thick) 5 inches long.

No. **870** Size 2A, Red, Blue or Green

per dozen, \$

AUTOMATIC PENCILS

Put up one dozen in Magic Box.



Size A, 5 inches long

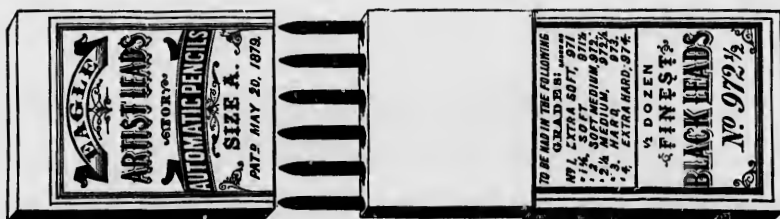
No. 861 Automatic Pencils, with Copying or Black Leads - - - - - per dozen, \$



Size B, 3 3/4 inches long.

No. 3861 Automatic Pencils, with Copying Leads - - - - - per dozen, \$

AUTOMATIC LEADS.



No. 921 Soft, size A, Copying (6 leads in flat box) - - - - - per dozen boxes, \$
 No. 1921 1/2 Soft, size B, Copying (12 leads in flat box) - - - - - per dozen boxes, \$
 No. 972 1/2 Medium, size A, Black (6 leads in flat box) - - - - - per dozen boxes, \$

DIXON'S LEAD PENCILS.

All kinds are packed in 1/2 gross boxes.

CARPENTERS' PENCILS.



No. 235 White Wood, Oval, 7 inch, Blue Stamp - - - - - per gross, \$
 No. 410 Polished Cedar, Oval, 7 inch, Dead Stamp - - - - - per gross, \$

DIXON'S LEAD PENCILS

709

DEAD STAMP.

No. 250	Plain Cedar, Round	per gross, \$
No. 258	Polished Cedar, Round	per gross, \$
No. 254	Polished Black, Round	per gross, \$
No. 262	Polished Red, Round	per gross, \$

GILT STAMPED.

No. 246	"Red Coat," Round	per gross, \$
No. 245	"Red Coat," Hexagon	per gross, \$
No. 253	"Jet Black," Round	per gross, \$
No. 251	"Raven No. 2," Round	per gross, \$

WITH RUBBER TIP.

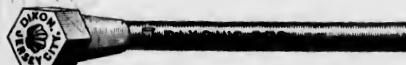


INSERTED RUBBER.

No. 265	"Daisy," Polished Cedar, Dead Stamp,	per gross, \$
No. 266	"Daisy," Polished Black, Dead Stamp,	per gross, \$
No. 267	"Daisy," Polished Red, Dead Stamp,	per gross, \$

No. 251, half gross in a box.

All other numbers, one gross in a box



HEXAGON HEAD.

No. 263	Polished Red, Round, Dead Stamp,	per gross, \$
No. 373	Polished Black, Round, Dead Stamp,	per gross, \$
No. 377	"Jet Black," Round, Gilt Stamp,	per gross, \$
No. 378	"Red Coat," Round Gilt Stamp,	per gross, \$
No. 409	"Red Coat," Hexagon, Gilt Stamp,	per gross, \$

WEDGE HEAD.

No. 462	Polished Black, Round, Dead Stamp,	per gross, \$
No. 379	Hexagon Rubber Tips,	per gross, \$

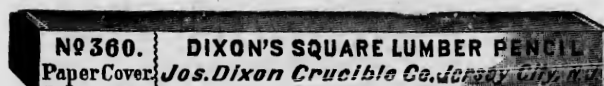
DIXON'S FINE AMERICAN GRAPHITE PENCILS



Patent Dozen Package.

GOLD STAMP.			ROUND PENCILS.				HEXAGON PENCILS.			DEAD STAMP PLAIN FINISH.	
Stamp.	Explanation of Stamp.	Old Style of Numbering.	Black.	Maroon	Cedar Finish.	Satin Finish.	Maroon	Cedar Finish.	Satin Finish.	Round.	Hexagon
			Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.	Nos.
S.	Soft	1	....	....	141	151	....	122	166	....	....
S. W.	Soft Medium	2	106	111	142	152	116	123	167	249	247
M.	Medium	3	107	112	143	153	117	124	168	250	248
H.	Hard	4	....	....	144	154	....	125	169	....	....
V. H.	Very Hard	5	....	....	145	155	....	126	170	....	....
Half gross in a box.			Per gross, \$				Per gross,			Per gross,	Per gross,

DIXON'S LUMBER PENCILS



No. 360 Dixon's Lumber Pencil, $\frac{3}{4}$ inches long, $\frac{1}{4}$ inch Square, Solid Black Lead, with Paper Wrapper pasted on, one-half gross in a box per gross, \$

BAEDER, ADAMSON & CO.'S AND "ANCHOR" SAND AND EMERY PAPER AND EMERY CLOTH



"FLINT" SAND PAPER.

Nos.	00	0	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	Assorted 0 to 3
Per ream,	\$5 50	5 50	5 50	5 50	5 50	6 00	6 00	6 00	5 50
Bundle contains,	5	5	4	$3\frac{1}{2}$	3	$2\frac{1}{2}$	2	$1\frac{1}{2}$	$2\frac{1}{2}$ reams.

Half ream in a package.

EXTRA FLINT PAPER IN ROLLS.

$23\frac{1}{4}$ Inches Wide.

Nos.	00	0	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Per roll,	\$6 00	6 00	6 00	6 00	6 00	6 50	7 00	7 50	8 50	9 50

Fifty yards in a roll.

"ANCHOR" SAND PAPER.

Nos.	00	0	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	Assorted 0 to 3
Per ream,	\$4 50	4 50	4 50	4 50	4 50	5 00	5 00	5 00	4 50
Bundle contains,	5	5	4	$3\frac{1}{2}$	3	$2\frac{1}{2}$	2	$1\frac{1}{2}$	$2\frac{1}{2}$ reams.

Half ream in a package.

EMERY PAPER.

Nos.	00	0	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	Asst'd 00 to $1\frac{1}{2}$
Per ream,	\$7 50	7 50	7 50	7 50	7 50	8 50	10 50	12 50	7 50
Bundle contains,	$4\frac{1}{2}$	4	$3\frac{1}{2}$	3	$2\frac{1}{2}$	2	$1\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{2}$ reams.

Half ream in a package.

EMERY CLOTH.

Nos.	00	0	100	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	Asst'd 00 to $1\frac{1}{2}$
Per ream,	\$20 00	20 00	20 00	20 00	20 00	20 00	22 00	26 00	28 00	20 00
Bundle contains,	$2\frac{1}{2}$	$2\frac{1}{2}$	2	2	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{4}$	1	$\frac{3}{4}$	2 reams.

Quarter ream in a package.

CROCUS CLOTH.

Crocus Cloth										per ream, \$20 00
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Quarter ream in a package, a full bundle contains two reams.

COMPARATIVE NUMBERS OF EMERY.

Baeder, Adamson & Co.'s Numbers,	00	0	100	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
English Numbers,	Flour	120	100	90	80	70	60	54	46

Per Pound, \$

EMERY WHEELS

711

THE BRASS WIRE WEB.



ORDINARY PATTERNS OF EMERY WHEELS.



In ordering Emery Wheels of any of the above patterns the number only need be mentioned.

IN ORDERING EMERY WHEELS PLEASE NOTE PARTICULARLY THE FOLLOWING ITEMS:

1. Diameter and thickness of Wheel and size of Mandrel Hole.
2. Whether Wheel is to grind surfaces or edges.
3. The metal to be ground—wrought or cast iron, steel or brass, etc.
4. Description of work to be done by the Wheel, coarse or fine.
5. Speed of Mandrel.
6. Is work held in hand or held mechanically and fed up to the Wheel?

REVISED PRICE LIST OF EMERY WHEELS.

Diameter of wheels in Inches	THICKNESS IN INCHES.																Revolutions per minute
	$\frac{1}{8}$	$\frac{3}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4		
1 $\frac{1}{2}$	\$0 40	45	50	55	60	65	70	75	80	85	90	95	1 00	1 05	1 10	10,000	
2	50	55	60	65	70	75	80	85	90	95	1 00	1 05	1 10	1 15	1 20	8,000	
2 $\frac{1}{2}$	65	75	85	95	1 05	1 15	1 25	1 35	1 45	1 55	1 65	1 75	1 85	1 95	2 05	7,400	
3	80	95	1 10	1 25	1 40	1 55	1 70	1 85	2 00	2 15	2 30	2 45	2 60	2 75	2 90	6,400	
3 $\frac{1}{2}$	95	1 15	1 35	1 55	1 75	1 95	2 15	2 35	2 55	2 75	2 95	3 15	3 35	3 55	3 75	5,400	
4	1 10	1 35	1 60	1 85	2 10	2 35	2 60	2 85	3 10	3 35	3 60	3 85	4 10	4 35	4 60	5,450	
4 $\frac{1}{2}$	1 25	1 55	1 85	2 15	2 45	2 75	3 05	3 35	3 65	3 95	4 25	4 55	4 85	5 15	5 45	4,400	
5	1 40	1 80	2 20	2 60	3 00	3 40	3 80	4 20	4 60	5 00	5 40	5 80	6 20	6 60	7 00	4,400	
6	1 75	2 40	3 00	3 70	4 35	5 00	5 65	6 25	6 80	7 45	8 10	8 75	9 40	10 00	10 50	3,600	
7	2 15	3 00	3 85	4 70	5 55	6 40	7 25	8 10	8 90	9 70	10 50	11 30	12 10	12 90	13 70	3,150	
8	2 60	3 60	4 60	5 60	6 60	7 60	8 60	9 60	10 60	11 60	12 60	13 60	14 60	15 60	16 60	2,750	
9	3 10	4 35	5 60	6 75	7 90	8 75	10 00	11 25	12 50	13 75	15 00	16 25	17 50	18 75	20 00	2,450	
10	3 60	5 10	6 60	8 00	9 50	11 00	12 40	13 75	15 25	16 75	18 25	19 50	21 00	22 25	23 75	2,200	
12	4 00	5 75	7 35	9 00	10 70	12 40	14 00	15 70	17 40	19 00	20 70	22 25	24 00	25 75	27 40	1,850	
14	6 25	8 45	10 65	12 90	15 10	17 40	19 60	21 80	24 00	26 30	28 60	30 75	33 00	35 40	37 50	1,600	
16	8 00	10 85	13 70	16 50	19 40	22 25	25 00	27 90	30 75	33 65	36 40	39 25	42 00	45 00	48 00	1,400	
18	9 50	13 25	17 00	20 75	24 50	28 25	32 00	35 75	39 50	43 25	47 00	50 75	54 50	58 00	62 00	1,250	
20	12 00	16 00	20 50	25 00	29 00	33 50	38 00	42 50	47 00	51 50	56 00	60 50	65 00	69 50	74 00	1,100	
22	14 50	19 00	23 50	28 87	33 50	38 12	42 75	47 50	52 00	56 50	61 25	66 00	70 50	75 00	79 75	1,000	
24	17 00	22 00	27 00	32 00	37 00	42 00	47 00	52 00	57 00	62 00	67 00	72 00	77 00	82 00	87 00	925	
30	.....	.....	.....	.....	.....	.....	87 50	.....	109 00	.....	131 00	.....	153 00	.....	175 00	735
36	.....	.....	.....	.....	.....	.....	127 00	.....	157 00	.....	188 00	.....	219 00	.....	250 00	550

For all Wheels thinner than 1/8 inch use list of 1/8 inch. N. B.—Wheels of any thickness between the above dimensions are listed the same as next size thicker.

GLUE

F. M.	French Metal Sheet	per lb.,	cents
No. 1	Sheet Special Cabinet Makers' Grades	per lb.,	cents
C. X.	Amber, Broken	per lb.,	cents
B X X	Kalsomine	per lb.,	cents
B	Common Kalsomine	per lb.,	cents
No. 1	White	per lb.,	cents
No. 1X	Extra White	per lb.,	cents

F. LE PAGE'S IMPROVED LIQUID GLUE.

STRONGEST ADHESIVE KNOWN.

IN BOTTLES FOR FAMILY USE.



ALWAYS READY FOR USE.

*Cements all kinds Wood, Glass, Crockery,
Leather, Ornaments, Etc.*

*For Carriages and all kinds of Wood and
Cabinet Work.*

GLUE IN TIN CANS FOR MECHANICS.

10 ounce Cans, (= 1/2 Pint wine measure) 2 dozen in case	per dozen, \$ 3 00
20 ounce Cans, (= 1 Pint wine measure) 1 dozen in case	per dozen, 5 00
40 ounce Cans, (= 1 Quart wine measure) 1 dozen in case	per dozen, 8 50
5 pound Cans, (= 1/2 Gallon wine measure) 1/2 dozen in case	per dozen, 13 50
10 pound Cans, (= 1 Gallon wine measure) 1/2 dozen in case	per dozen, 24 00

IN BOTTLES FOR FAMILY USE.

Small Size, one dozen in box	per gross, \$12 00
Large Size, one dozen in box	per gross, 18 00

BABBIT METAL



THURBER'S METAL.

No. 1 is for Heavy Bearings and Railway Boxes	per lb., 30 cents
No. 2 is for Rings and Journals running at high velocities	per lb., 25 cents
No. 3 is for Ordinary and General Purposes	per lb., 20 cents

PHILADELPHIA METAL.

No. 1 Philadelphia Babbit Metal	per lb., 17 1/2 cents
No. 2 Philadelphia Babbit Metal	per lb., 13 cents
No. 1 Ontario Babbit Metal	per lb., 12 cents

COPPERINE.



Spooner's Copperine

per lb., 20 cents

OIL STONES AND SLIPS

WASHITA OIL STONE.

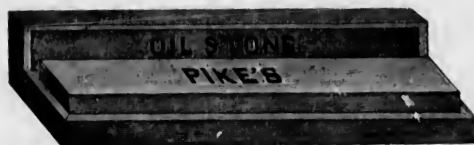


BEST WHITE WASHITA.

"Anchor" Brand, Best, 8 x 2 x 1 1/2 inches
Oil Stone, No. 1, 8 x 2 x 1 1/2 inches

per lb.,
per lb., cents
 cents

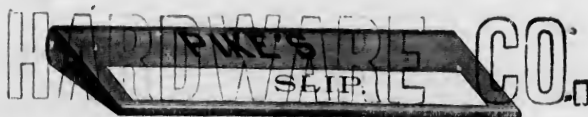
MOUNTED IN MAHOGANY CASES.



WASHITA.

Washita, size 6 x 2 inches, in Mahogany Cases

per dozen, \$



Round Edge Slips, Washita No. 1
Round Edge Slips, Washita Extra
Round Edge Slips, Labrador
Pen Knife Pieces, Washita, Assorted Sizes

per lb., cents
per lb., cents
per lb., cents
per lb., cents

GENUINE TURKEY STONE.

Oil Stone, 4 to 8 inches

per lb., cents

AXE BITTS



SAND STONE.

Assorted, Small, Medium and Large

per lb., cents

AXE STONE



Water of Air Axe Bitts

per dozen, \$



Belgian Razor Hones, Fine,

Inch,
Per dozen, \$

5

6

7

8

9

10

RAZOR STROPS



No. 210 11½ inches; Four Sides, 3 Leather, 2 Oil Dressed; Black Enameled Handle, Paste Cavity in end opposite Handle

per dozen, \$



No. 50 12¾ inches, Faultless Belt Strop, 2 Sides

per dozen, \$



No. 220 13½ inches, I. X. I., Half Round

per dozen, \$



No. 4 13 inches, Faultless Combination Strop, Red Case

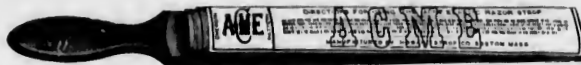
per dozen, \$

RAZOR STROPS



No. 8 13½ inches, Currier Combination Strop

per dozen, \$



No. 230 13½ inches, Enameled Handle, super quality

per dozen, \$



No. 1 13½ inches, Calf Leather

per dozen, \$



No. 9 14 inches, Leather Case

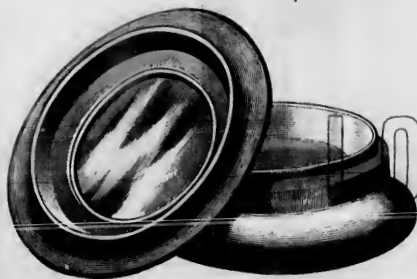
per dozen, \$



No. 70 14½ inches, Leather Case, Russia Leatherette Belt

per dozen, \$

SHAVING BOXES



POLISHED CHERRY CASE, PORCELAIN CUP,
WITH MIRROR.

No. 11
No. 12

Shaving Boxes
Shaving Boxes

per dozen, \$
per dozen,

No. 10 With Zinc Cup
No. 7502 With Glass Cup

per dozen, \$
per dozen,

THERMOMETERS

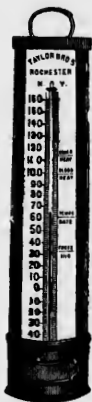


FIG. 1.



FIG. 2.



FIG. 3.



FIG. 4.



FIG. 5.



FIG. 6.

Fig. 1	Tinned Case, Japanned	inch,	7	8	10
Fig. 2	Flange Dairy	per dozen,	\$ 7	8	10
	Bright Tin Case Dairy	inch,	\$ 7	8	10
		per dozen,	\$		
Fig. 3	All Glass Floating Dairy Thermometers				per dozen, \$
	Round Glass Thermometers, with Nickel Brackets				per dozen,
Fig. 4	No. 34/20, Black Enameled Back, Graduated on Face, Tube Sunk, Nickel Trimmings				per dozen,
Fig. 5	8 inch Garden Thermometer, Boxwood Back, Graduated on Face, Raised Tube				per dozen,
Fig. 6	10 inch, Heavy Plate Glass, Figures Annealed, with Brass Arms				per dozen,

THERMOMETERS FOR DECORATIVE ART AND FANCY WORK.

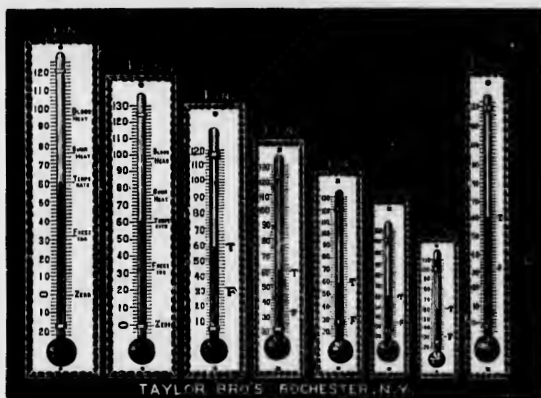


FIG. 7.

Fig. 7 Assorted from 2 to 5 inches

per gross, \$

THERMOMETERS

AND

STORM GLASSES
HOBBS

Nos. 65 to 85.

ROUND THERMOMETERS.

No. 65	Dial 4 inches, Brass Case	.	.	.	.	.	.	.	.	each, \$
No. 75	Dial 5 inches, Brass Case	.	.	.	.	.	.	.	.	each,
No. 85	Dial 8 inches, Brass Case	.	.	.	.	.	.	.	.	each,

The above Thermometers give a new method of determining the temperature, and have the high merit of great accuracy.

STORM GLASSES.

No. 58.

No. 58. Cottage Barometer, Thermometer and Storm Glass, mounted on a Black Background, Cherry Mouldings ornament either end, united at the sides by Bright Wire Rods

per dozen, \$

TWINE BOXES

ENAMELED.

No. 6 Enamelled per dozen, \$

LONDON

One-half size cut of No. 6.
HANGING.



TWINE BOXES



Three-quarter Size Cut of No. 1412.



One-half Size Cut of No. 4.

No. 1412	Maroon Finish - . - . - . - . - . - . per dozen, \$
No 4	Enameled and Gold Bronzed, for Large Balls of Twine - . - . - . per dozen,

PAPER FILES



One-half Size Cut of No. 40.



One-half Size Cut of No. 80.



One-half Size Cut of No. 3.

[illegible]

TOBACCO CUTTERS



Style of No. 2.

IRON FRAME.

No. 2 For cutting any size, Painted and Bronzed, 3 inch Knife - - - per dozen, \$

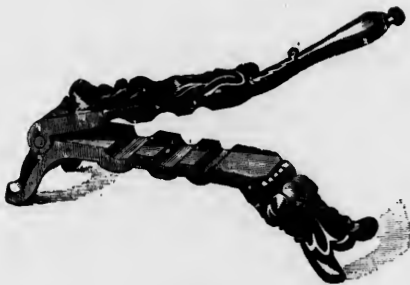


Style of No. 1.

ON MAPLE BOARD.

No. 1 For making fine cut only from plug, Japanned, 3 inch Knife - - - per dozen, \$

CORK PRESSERS



Half size cut.

JAPANNED.

No. 1 Japanned - - - per dozen, \$

SAD IRONS



JAPANNED HANDLE AND TOP.

5 to 10 pounds

per pound, \$

MRS. POTTS' COLD HANDLE, DOUBLE POINTED

SAD IRONS.
HARDWARE CO.

TRADE
MRS. POTTS' IRON
MARK.

*Three Irons, one Handle and Stand constitute a Set as represented in cut.*

THERE ARE THREE SIZES IN EACH SET.

- No. 1 weighs four pounds, has one round end for polishing or glossing, and is very suitable for light work.
No. 2 weighs five pounds, and is for general use.
No. 3 weighs six pounds, and is suitable for Tablecloths, Sheets, etc.

FULL SETS.

No. 50 Nickel Plated
No. 55 Plain Polished
Extra Handles
Extra Stands

per set, \$
per set,
per dozen,
per dozen,

TAILORS' SMOOTHING IRONS



EXTRA POLISHED FACE.

SIZES 12, 14, 16, 18, 24, 26 AND 30 POUNDS EACH.

12 to 30 pounds

per pound, \$

TOY SAD-IRONS AND STANDS

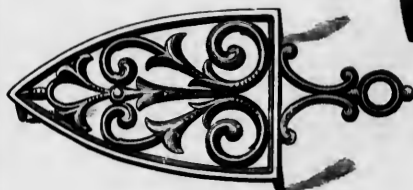


Style of No. 29.

Style of Nos. 2 and 4.

- | | | | |
|--------|---|-------|--------------------|
| No. 29 | Duck Pattern, Assorted Colors, Length of Iron $2\frac{1}{4}$ inches | - - - | per dozen sets, \$ |
| No. 2 | Japanned, Length of Iron $2\frac{3}{4}$ inches, Weight 8 ounces | - - - | per dozen sets, |
| No. 4 | Japanned, Length of Iron $3\frac{3}{4}$ inches, Weight 16 ounces | - - - | per dozen sets, |

SAD-IRON STANDS



Style of No. 1.



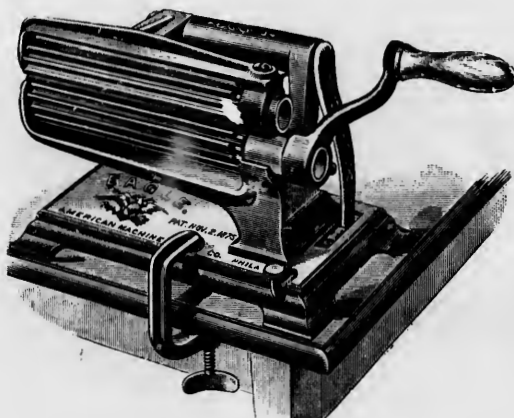
Style of Nos. 50 and 51.

PLAIN AND ENAMELED.

No. 1	7 x 3¾ inches, Plain	per dozen, \$
No. 50	9 x 4 inches, Plain	per dozen,
No. 51	9 x 4 inches, Enameled	per dozen,

For Extra Stands for Mrs. Potts' Irons, see Page 722.

FLUTING MACHINES



"EAGLE."

"Eagle," 5½ inch Flutes	each, \$
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GENEVA HAND FLUTER



Brass Base

each, \$

SHEPHERD HAND FLUTER



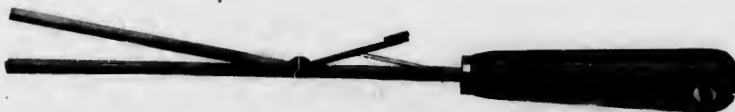
NICKEL PLATED PLATE AND ROLLER.

LONDON
TWO HEATERS WITH EACH FLUTER

No. 85 Roller $2\frac{1}{2} \times 3\frac{3}{4}$ inches, Corrugated Plate, $6\frac{3}{4} \times 3\frac{3}{4}$ inch

each, \$

CURLING TONGS



One-half Size Cut of No. 2249.

No. 2249 Curling Tongs - - - - - per dozen, \$

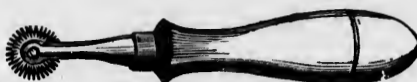
PINKING IRONS.



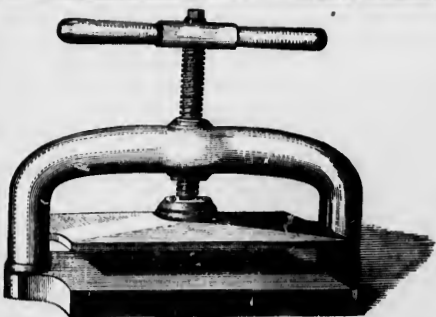
No. 59.

No. 59 Solid Cast Steel, all Bright, Oval, Scolloped Teeth $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$ and 1 inch - - - per dozen, \$

TRACING WHEELS.



No. 50 Black Handles - - - - - per dozen, \$



COPYING PRESSES.

SCOTCH PATTERN.

WITH WHEEL, BALL LEVER, OR BAR, AS PER CUT.

No. 4	$9\frac{1}{2}$ x $11\frac{3}{4}$ inches	- - -	each, \$
No. 5	$10\frac{3}{4}$ x $13\frac{3}{4}$ inches	- - -	each,
No. $4\frac{1}{2}$	$10\frac{1}{2}$ x $15\frac{1}{2}$ inches	- - -	each,



TUCKER'S ALARM TILL.

The best Alarm Till made.

Each - - - - - \$

TACK CLAWS

727



No. 1 Tack Puller

per dozen, \$

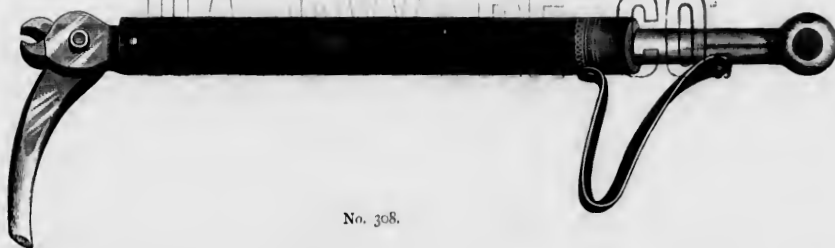
TACK PULLERS



"Little Jack" Tack Puller

per dozen, \$

NAIL PULLERS



No. 308.

Small Nail Puller
Large Nail Puller

each, \$
each,

WROUGHT NAIL CLAWS



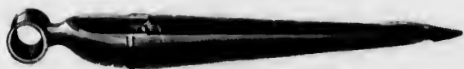
One-third Size Cut of No. 1.

WROUGHT IRON, JAPANNED.

No. 1 Wrought Nail Claw, Japanned

per dozen, \$

IVES' BUNG BORERS



No. 1 Bunghole Borers
No. 4 Bunghole Borers

No. 4 Bunghole Borers

per dozen, \$
per dozen,

per dozen,
per dozen.

CARPET STRETCHERS



No. 1 Carpet Stretchers, Steel Blades
Bullard's Carpet Stretchers

Bullard's Carpet Stretchers

per dozen, \$
per dozen,

per dozen,
per dozen.

MINCING KNIVES



No. 2 Single Tang, Unpolished Blade

No. 3 Brace Shank

No. 10 Double Polished Blade and Shank

No. **50** , Polished Blade, Japanned Handle

per dozen, \$

per dozen,
per dozen,

per dozen,
per dozen,

per dozen,
per dozen,

SAUSAGE FILLER



COMPTON & CO. N.Y.

JAPANNED.

No. 0 For Butchers' use

per dozen, \$

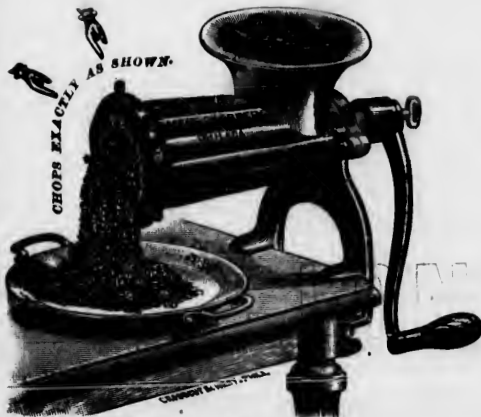
PERRY'S MEAT CUTTERS.



Style No. 11.

No. 1 5 inch Cylinder, Single
No. 2 6 inch Cylinder, Single
No. 111 5 inch Cylinder
No. 112 6 inch Cylinder

per dozen, \$
per dozen,
per dozen,
per dozen,



LARGE FAMILY SIZE NO. 10.

ENTERPRISE MEAT CHOPPER.

No. 10.

Weighs 8 lbs., chops over 2 lbs. per minute, each, \$3 00

No. 12.

Weighs 7 lbs., chops over 2 lbs. per minute, each, \$2 50

*This Chopper differs from No. 10 only in its having
Legs instead of Clamps, and requires to be
Screwed to the Table.*

Enterprise Meat Chopper.



No. 22	Weight 12 pounds, chops 3 pounds per minute	each, \$4 00
No. 32	Weight 18 pounds, chops 4 pounds per minute	each, 6 00
No. 42	Weight 39 pounds, chops 5 pounds pork per minute	each, 15 00

Extra Plates supplied to order. Sizes : $5/32$, $1/4$, $5/16$ and $3/8$ inch hole.

Combined Sausage Stuffer, Fruit and Lard Press.



Rack Movement.

Screw Movement.

No. 15	2 Quart, Japanned, Screw	each, \$3 00
No. 25	4 Quart, Japanned, Screw	each, 5 00

Combination Fruit, Wine and Jelly Press.

Cherry Stoners.



Combination Fruit, Wine and Jelly Press
Cherry Stoners

each, \$3 00
per dozen,

THE "GEM"

Fruit and Vegetable Press and Strainer.
HARDWARE CO.



A Potato Masher, Sauce Strainer, Jelly Press and Colander Combined, in One
Strong, Light, Cheap, Handy Utensil.

Price

per dozen,

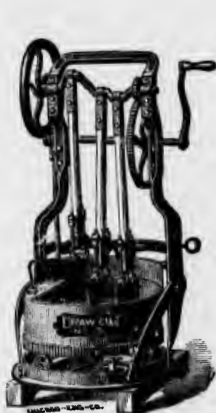
IMPROVED DRAW CUT MEAT CHOPPERS

CROOKED SHAFTS OF FORGED STEEL ON ALL MACHINES

IRON PITMANS WITH IMPROVED BOXES TO TAKE UP WEAR.

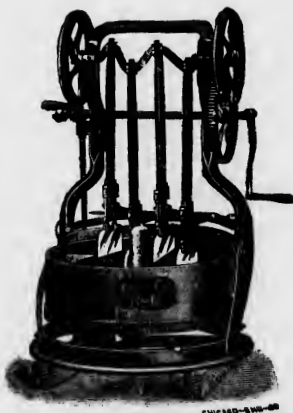
HAND CHOPPERS.

ALL THESE CHOPPERS HAVE FORGED STEEL SHAFTS, IRON PITMANS AND NEW STYLE BOXES.



No. 5 Weight, 300 Lbs. Price, \$45 00.

The No. 5 Hand Chopper is made exactly like the No. 2, but smaller. Its block is 20 inches across; length of knife, 9 inches. It will cut 16 to 18 pounds of meat in twelve minutes.



No. 6 Weight, 465 Lbs. Price, \$75 00

This Chopper has four knives, each 11½ inches long; block 28 inches. It will chop 30 pounds of meat in 12 minutes as well as the best butcher can with a rocker; is easy and light for one man to run, or can be run by small boys. But one knife touches the block at one time, and this with the drawing cut, makes it run so light.



No. 2 Weight, 430 Lbs Price, \$85 00.

The No. 2 Chopper has three knives; has same size tank and block as the No. 6 (28 inches); its knives are longer, (13 inches); it cuts nearly as much meat, and runs easier; we recommend it as being the best Chopper for the price that we manufacture.

There never was a Hand Chopper made, before the invention of the "Draw Cut," that was not either a "man killer," or else it would not cut the meat fit for sausage. It was thought at one time that no Hand Chopper could be made that would work as easy and cut the meat as well as a rocker.

We guarantee that the "Draw Cut Hand Choppers" will cut the meat as well as the best butcher can do it with a Rocker; and women and boys can run them because the movement of the knives is such that there is no pounding and cutting into the block. You cut meat only, and not wood, with these Choppers.

Made in three sizes of Hand Choppers, as shown.

"No. 5," the smallest size, can be run by a boy ten years old.

"No. 6," the largest size, is provided with two cranks, so that it can be run by two boys, but is easy work for one man to run it alone; in which case the other crank can be taken off, or if left on will make no difference.

"No. 2" is an intermediate size, but does a great deal more work than the No. 5, and very nearly as much as the No. 6. It runs easier than the No. 6, and at the present reduced price is cheaper than the No. 5.

N. B.—A special feature of the above Choppers is the Plow, which turns the meat under the knives, and mixes it thoroughly, while the Chopper is running.

BUTCHERS' CLEAVERS

733



P. S. W. CO.

Nos.	0	1	2	3
Inches of Cut,	7	8	9	10
Per dozen,	\$			

HERNSHAW'S ENGLISH CLEAVERS.

Inches,	8	9	10
Per dozen,	\$		

Pork Packers' Cleavers supplied to order.

CHEESE AND BUTTER TRIERS



CAST STEEL AND NICKEL PLATED.

Inches,	6	12	18	20
No. 5 Polished Steel, per dozen,	\$			
No. 10 Nickel Plated, per dozen,				

CHEESE SAFES



No. 6	Bronze Medal (wire) Cheese Safe, 26 inches high and 24 inches square	each,
No. 8	Bronze Medal (wire) Cheese Safe, 24 inches high and 22 inches square	each,

SAP SPOUTS

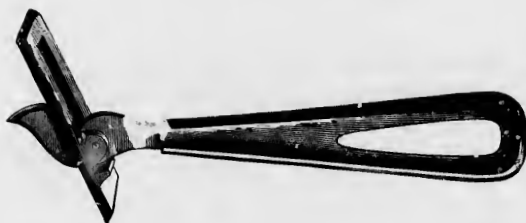


"EUREKA" SAP SPOUTS.

WITH WIRE HOOKS.

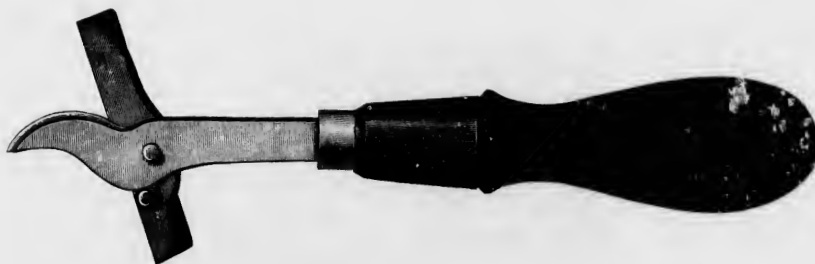
"Eureka" - - - - - per hundred, \$

CAN OPENERS



SPRAGUE.

No. 1 Sprague, Iron Handle - - - - - per dozen, \$

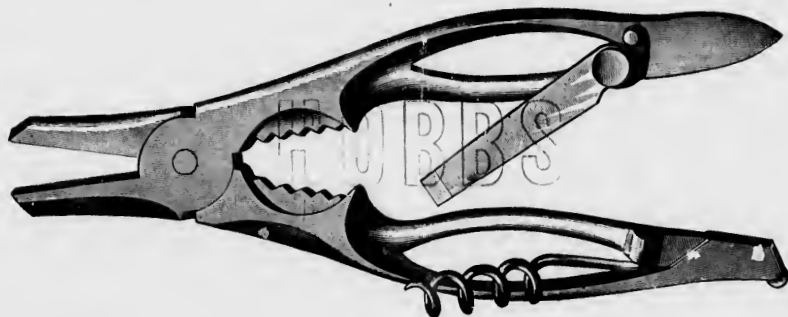


"ACME."

"Acme," Large Ebony Handle, Nickle Plated Ferrule, Length 7½ inches - - - - - per dozen, \$

COMBINATION PLIERS

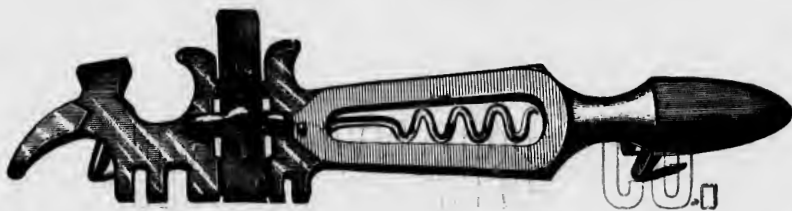
735



Combining in one Tool Pliers, Cork Screw, Glass Cutter, Can Opener, Nut Cracker, Screw Driver, Gas Burner Plier.

Woodward Combination Pliers per dozen, \$

COMBINATION GLASS CUTTER



No. 8 Combination Glass Cutter per gross, \$

GLASS CUTTER AND PUTTY KNIFE



No. 0 Glass Cutter and Putty Knife per gross, \$

DIAMONDS



No. 8	Sheet, with Rack Head	each, \$ 5 25
No. 8	Sheet, with Side Rack	each, 5 25
No. B	Sheet, without Rack	each, 6 38
No. A	Sheet, without Rack	each, 7 87
No. B	Plate, without Rack	each, 9 75
No. A	Plate, without Rack	each, 10 50
No. 0	Plate, Extra Large, with Side Rack and Starting Point	each, 13 50

Discount per cent.

STEAK HAMMERS



TINNED.

No. 2 Steak Hammers, Tinned

per dozen, \$

"ACME" ICE CHISEL



"Acme" Ice Chisel, Polished, with Hardwood Handle, length 9 inches

per dozen, \$

STEEL ICE PICKS



HARDWOOD HANDLES.

No. 00 Length, 8 inches of 5/16 inch Steel

per dozen, \$

PATENT ICE CRUSHER



A NECESSITY FOR HOSPITALS, HOTELS, RESTAURANTS,
AND PRIVATE FAMILIES.

Patent Ice Crusher

each, \$

ICE CREAM FREEZERS

737



"GEM"

"GEM" ICE CREAM FREEZER.

"CROWN"

"CROWN" ICE CREAM FREEZER.

DOUBLE ACTION, WITH FLY WHEEL.

Size, Price, each,	2 qt. \$3 75	3 qt. 4 50	4 qt. 5 50	6 qt. 7 00	8 qt. 9 00	10 qt. 11 00	14 qt. 14 00
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Size, Price, each,	8 qt. \$13 00	10 qt. 16 00	14 qt. 20 00	18 qt. 25 00	24 qt. 30 00	32 qt. 37 50
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LEMON SQUEEZERS



No. 2½ Best Malleable Iron, Tinned

per dozen, \$

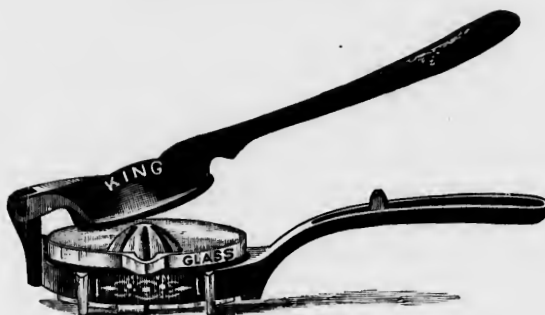
"ACORN" LEMON SQUEEZERS



"ACORN,"

"Acorn," Refined Malleable Iron, Tinned - - - - - per dozen, \$

"KING" LEMON SQUEEZERS



"King," Japan Finish, with strong detachable Glass Bowl, which rests upon a Gum Ring - - - per dozen, \$



No. 1.

PORCELAIN AND WOOD.

No. 1 Lemon Squeezers - - - per dozen, \$

"The Hotchkiss" Lever Squeezer - - - per dozen, \$



"THE HOTCHKISS."

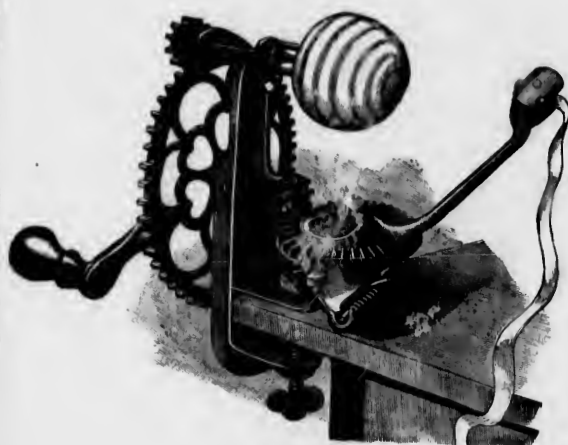


THIS CELEBRATED PARER IS KNOWN TO ALL BY ITS WELL-DESERVED REPUTATION.

Reading Apple Parer, with Automatic Push-off

per dozen, \$

APPLE PARERS



"POMONA."

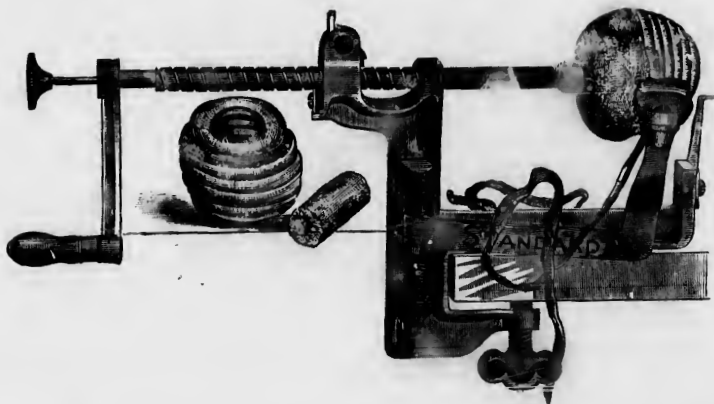


NEW "LIGHTNING."

The "Pomona" Apple Parer
New "Lightning" Apple Parer

per dozen, \$
per dozen,

THE "STANDARD" APPLE PARER.

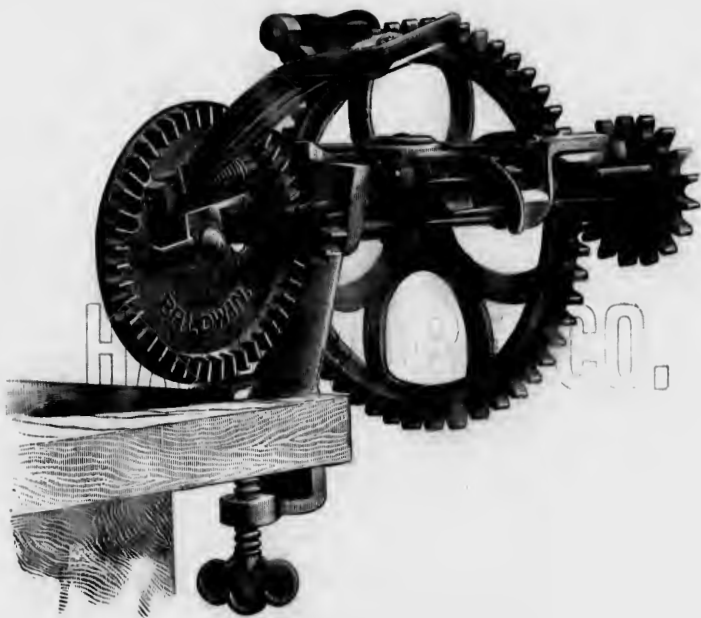


The "Standard" Apple Parer

per dozen, \$

APPLE PARERS

THE BALDWIN.



WITH AUTOMATIC PUSH-OFF.

This Parer has all the Latest Improvements; will pare apples of any size and shape, and remove them from the Fork automatically.

The Baldwin Apple Parer

per dozen, \$

THE MOHAWK APPLE PARER.

Mohawk Parer

per dozen, \$

COFFEE AND SPICE MILLS

BOX

WITH DOVETAILED BOXES



No. 4.

No. 4 With Iron Hopper

per dozen, \$



No. 1004.

No. 1004 With Iron Hopper

per dozen, \$



No. 31.

No. 31 With Enameled Iron Hopper

per dozen, \$



No. 370.

No. 370 Enameled, Gold Bronzed Iron Cover, per dozen, \$

SIDE MILLS



No. 4 Small Size Side Mill

per dozen, \$

No. 0 Large Size Side Mill

per dozen, \$

COFFEE AND SPICE MILLS

No. 11½.



This Mill has crank, iron hopper and closed drawer, holding from ¼ to ½ pounds coffee. The Mill may be opened in the same manner as the larger sizes, and is finished in vermilion and gold. Grinds nearly half pound coffee per minute.

No. 11½ - - - - - each, \$3 00

No. 12.



This Mill has one 9 inch fly-wheel with handle attached, iron hopper and closed drawer, holding from ¼ to ½ pound coffee. The Mill may be opened in the same manner as the larger sizes, and is finished in vermilion and gold. Grinds nearly half pound coffee per minute.

No. 12 - - - - - each, \$3 75

No. 12½.



This Mill has two 9 inch fly-wheels, with handle attached, iron hopper and closed drawer, holding from ¼ to ½ pound coffee. The Mill may be opened in the same manner as the larger sizes, and it is nicely finished and very ornamental. Grinds nearly half pound coffee per minute.

No. 12½ - - - - - each, \$5 25

No. 13.



This Mill has a drawer for receiving coffee, two 12 inch fly-wheels, and is finished in the same manner as the larger sizes, in red and gold. Its method of opening is also similar, and is shown by cut. Capacity—About three-quarters of a pound coffee per minute.

No. 13 - - - - - each, \$7 50

No. 13½.



This Mill is same size and capacity as No. 13, but having a brass or nickel plate hopper and drawer, and is very ornamental.

No. 13½ - - - - - each, \$13 50

No. 14.



This Mill has two 15 inch fly-wheels, iron hopper and drawer, is highly ornamented, the ground colors being red and gold. Capacity—About one pound coffee per minute.

No. 14 - - - - - each, \$12 00

COFFEE AND SPICE MILLS

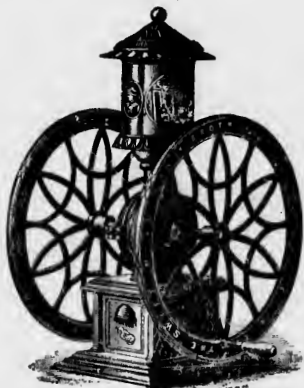
No. 14½.



This Mill has nickel plate hopper (or brass if preferred), two 15 inch fly-wheels, and standing 21½ inches high, grinding one pound of coffee per minute; finished in deep vermillion and gold, being profusely ornamented.

No. 14½ - each, \$18 00

No. 15.



This is a very neatly designed and convenient sized Mill, finished in vermillion, jet black and gold, having a close drawer for receiving coffee, with two 20 inch fly-wheels, and our patent method of opening for brushing out or removal of obstructions. Capacity—About 1½ pounds per minute.

No. 15 - each, \$22 50

No. 15½.



This Mill has two 20 inch fly-wheels, a nickel plated hopper with dome top, and is in all respects highly finished, being similar to No. 15 in all parts except the hopper. Capacity—About 1½ pounds of coffee per minute.

No. 15½ - each, \$30 00

No. 20.

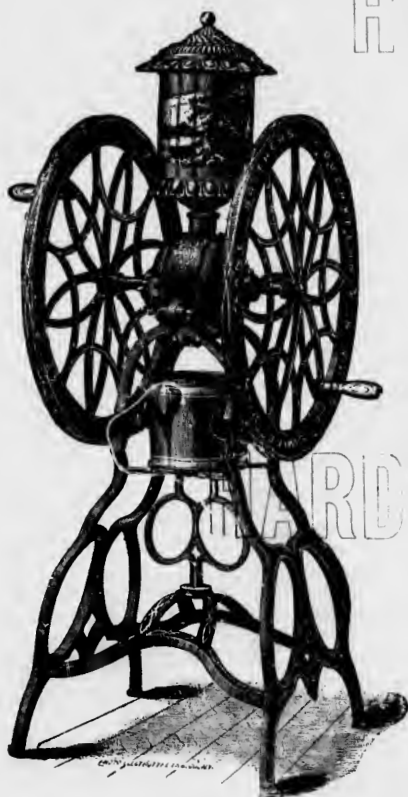


This Mill is profusely ornamented and finished in the best manner; has a nickel plated hopper and two 30 inch fly-wheels; a drawer for receiving coffee; detachable grinding plates of the most durable character, and is fitted with SELF-OILING BEARINGS. Capacity—By hand, about 2 pounds per minute.

No. 20 - each, \$52 50

COFFEE AND SPICE MILLS

HOBBS



No. 24.

A handsome, finely finished Mill—5 feet 6 inches high—has two 30 inch fly-wheels. It has detachable grinding surfaces of the most durable kind, SELF-OILING BEARINGS. Capacity—Two pounds of coffee per minute.



No. 26.

The Mill stands 5 feet 6 inches high, and is finished elaborately. It has a burnished nickel plated hopper, two 30 inch fly-wheels, a receiver for coffee, detachable grinding surfaces of the most durable kind, SELF-OILING BEARINGS. Capacity—Two pounds of coffee per minute by hand.

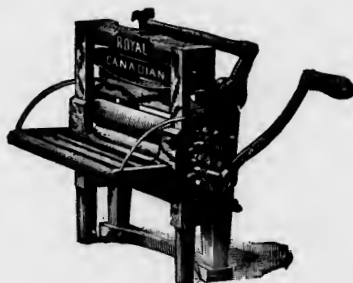
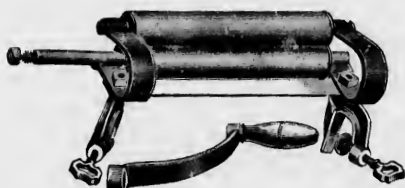
No. 24 Price, boxed - - each, \$55 50

No. 26 Price, boxed - - each, \$67 50

CLOTHES WRINGERS

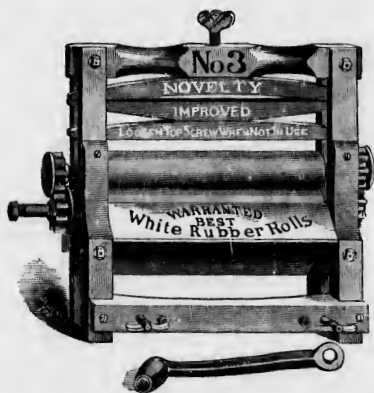
"ROYAL CANADIAN."

THE "SUNBEAM."



"Sunbeam" Wringer, Iron Frame, Heavily Galvanized, 10 inch
"Royal Canadian" Wringer, 11 inch Rollers

per dozen, \$48 00
per dozen, 90 00

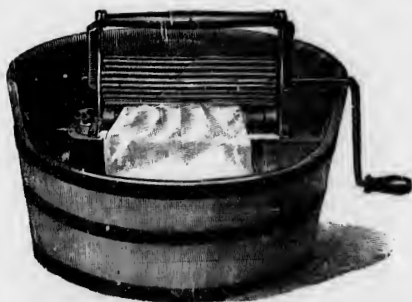


THE "NOVELTY" WRINGER.

GALVANIZED COG WHEELS AT BOTH ENDS.

WOOD FRAME, HARD MAPLE.

No. 2	10 inch Rollers	-	-	-	per dozen, \$78 00
No. 3	11 inch Rollers	-	-	-	per dozen, 84 00



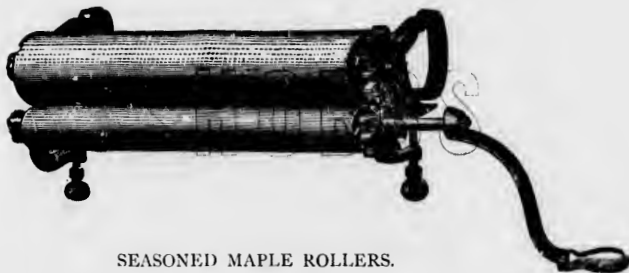
THE "EMPRESS" WASHER.

THE UPPER ROLLER OF HARD MAPLE. THE TWO LOWER
ROLLERS OF ALTERNATE RINGS OF
WOOD AND RUBBER.

*Can be easily adjusted to fit any size wash tub. Will wash the
largest blanket or counterpane in three minutes.*

Price - - - - - per dozen, \$72 00

THE "DOMESTIC" MANGLE.



SEASONED MAPLE ROLLERS.

To Clamp on any ordinary Kitchen Table. Length of Rollers 20 inches. Standing Pressure 1500 lbs.
Price, **\$10.00.**

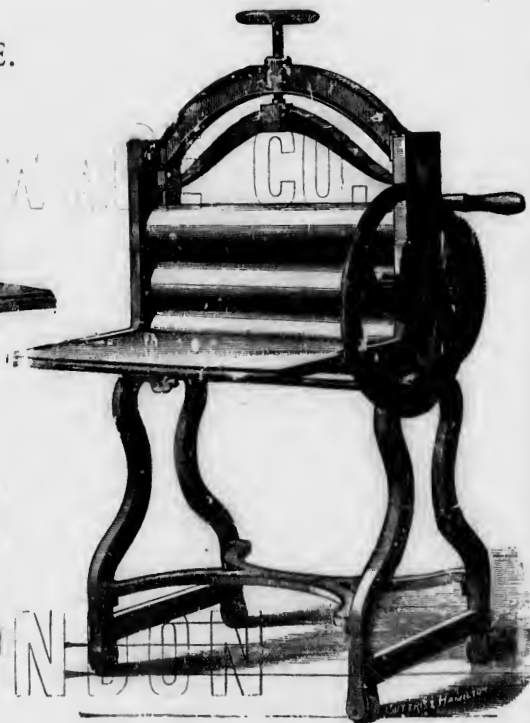
THE "QUEEN" MANGLE.

THE "PEERLESS" MANGLE.

TWO ROLLERS.



Neatly finished folding table at each side. Seasoned Maple Rollers, 24 in. wide. Price, **\$25.00.**



THREE ROLLERS.

Neatly finished Folding Table in Front. Seasoned Maple Rollers, 24 in. wide. Price **\$25.00.**

CARPET SWEEPERS



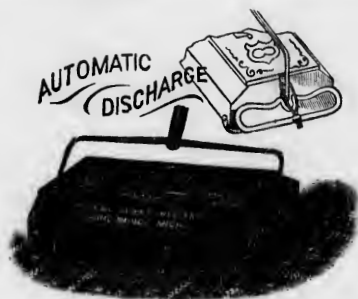
The Standard, with 4 Wheels, Exposed, entirely Self-adjusting, with Rubber Band to prevent marring Furniture

per dozen, \$



Improved Crown Jewel, handsomely Hand Decorated, with Rubber Band
The Globe, Automatic Discharge, handsomely Hand Painted, with Rubber Band

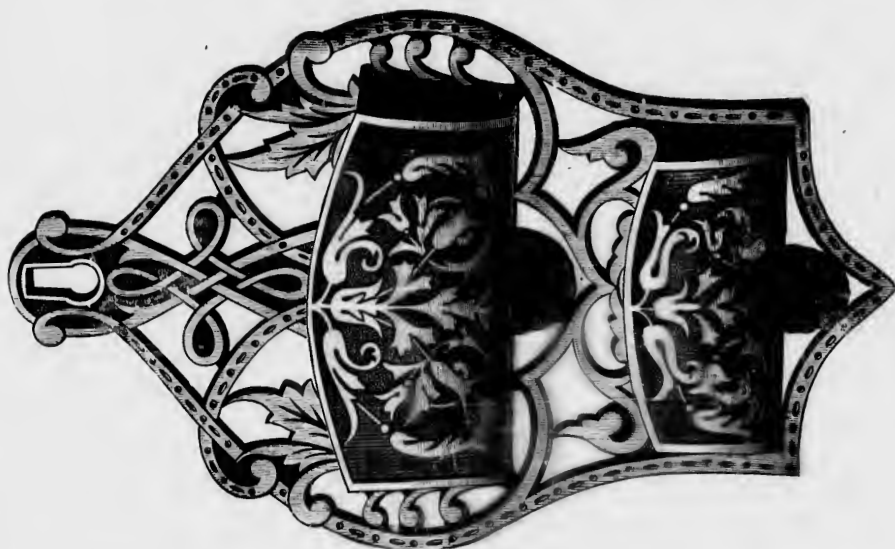
per dozen, \$
per dozen,



The World, Automatic Discharge
The Magic, convenient Discharge and of Solid Construction

per dozen, \$
per dozen,

ORNAMENTAL IRON MATCH SAFES



Full Size Cut of No. 180.

No. 180 Enameled, with Receptacle for Burnt Matches

per dozen, \$



Full Size Cut of No. 1205.

No. 1205 Monkey Match Safes, Ebony and Gold

per dozen, \$

HOUSEHOLD FAVORITE

751



COMBINED TACK, CLAW, HAMMER, WRENCH, LIFTER AND ICE PICK.

No. 51 Copper Bronzed - - - - - - - - - per dozen, \$

SHOVELS, TONGS AND POKERS.



Style of No. 10 Sets.

ADAMANTINE BRONZED HEADS.

No. 10 Shovel, Tongs and Poker, 24 inches long, Flat Head - - - - - per set, \$



No. 649, Brass, Plain.

No. 649 Brass, Plain, Shovel, Tongs and Poker - - - - - - - per set, \$
 No. 649 Brass, Twisted, Shovel, Tongs and Poker - - - - - - - per set,

SHOVEL AND TONG STANDS

AND

FIRE SETS

SHOVEL AND TONG STANDS.



Style of No. 8.

FIRE SETS.



Style of No. 16.

- No. 8 24 inches high, Enameled
 No. 16 25 inches high, Enameled, with Shovel, Tongs and Poker

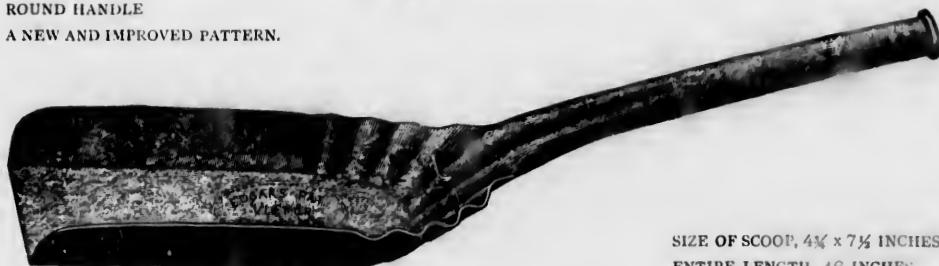
per dozen, \$
 per set,

"VICTOR" STOVE SHOVELS

No. 255—GALVANIZED.

ROUND HANDLE

A NEW AND IMPROVED PATTERN.



SIZE OF SCOOP, $4\frac{1}{4} \times 7\frac{1}{4}$ INCHES.
ENTIRE LENGTH, 16 INCHES.

Made of 19 Gauge Best Sheet Steel and Galvanized in the best manner - - - - - per dozen, \$

SIFTER.

No. 370—JAPANNED.



SIZE OF SCOOP, $4\frac{1}{4} \times 7$ INCHES.
ENTIRE LENGTH, 16 INCHES.

Made of 20 Gauge Best Sheet Steel - - - - - per dozen, \$

PATENT "ACME" FRY PANS.



DEEP, POLISHED, LIPPED.

No. 3	Diameter at Top, $9\frac{1}{2}$ inches	- - - - -	per dozen, \$
No. 4	Diameter at Top, 10 inches	- - - - -	per dozen,
No. 5	Diameter at Top, 11 inches	- - - - -	per dozen,

WIRE AND SHEET METAL GOODS

755

MANUFACTURED FOR US BY

VICTORIA WIRE MILLS.



B. GREENING & CO.

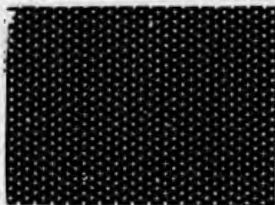
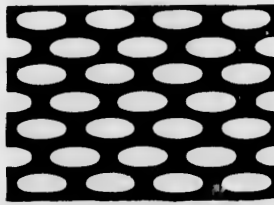
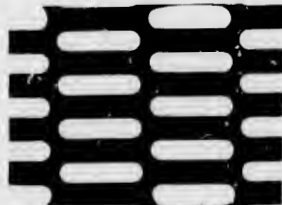
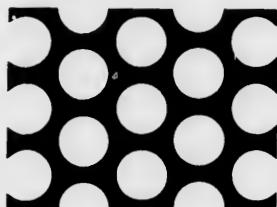
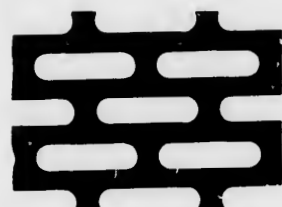
The following lines of Wire and Sheet Metal Goods supplied from stock or to order at short notice. See following pages for descriptive price list:

- | | |
|---|---|
| Steel and Iron Smoke Stack Webs, | Perforated Kiln Floors, |
| Malt and Oat Kiln Floor Webs, | Perforated Steel Smutter Cases, |
| Coal and Mining Screens, | Moulders' Riddles and Bellows, |
| Cotton and Wool Dryers, | Moulders' Steel Scratch Brushes, |
| Hardware Stock Webs, | Steel Wire Brooms, |
| Fainted Mosquito Webs, | Boiler Tube Cleaners, |
| Threshing Machine Webs, | Riddles and Sieves of all Kinds, |
| Fanning Mill Webs, | Greening's Patent Steel Wire Door Mat, |
| Galvanized Fruit Drying Webs, | Wire Flower Stands, Baskets, etc., |
| Bolting Mill, Bran Duster, and all kinds of | Wire Window Guards, |
| Grain Cleaning Machinery Webs, | Wire Signs, |
| Perforated Zinc in all Sizes, | Sofa and Chair Springs, |
| Perforated Brass for Well Points. | Bank & Office Counter Railing in Brass & Iron |

- | | |
|--------------------------------------|------------------------------------|
| Cast Iron Transmitting Power Wheels, | Transmitting Power Ropes, |
| Floral Designs, | Railway Switch Ropes, |
| Coal and Sand Screens, | Railway Ballast Plough Ropes, |
| Cast Steel Derrick Hoisting Ropes, | Flat Ropes for Mining Purposes, |
| Passenger Elevator Ropes, | Extra Pliable Tiller Ropes, |
| Coppered Steel Lightning Rods, | Galvanized and Twisted Fence Wire, |
| Galvanized Derrick Guy Ropes, | Galvanized Fence Staples, |
| Galvanized Ships Rigging, | Flat Coppered Steel Staples, |
| Galvanized Clothes Lines, | Barrel and Box Staples, |
| Galvanized Signal Strand, | Bed and Furniture Staples, |
| Galvanized Smoke Stack Stays, | Iron Staples, |
| Galvanized and Bright Sash Cord, | Double Pointed Steel Carpet Tacks. |
| Freight Hoist Ropes. | |

Correspondence solicited. All orders will receive prompt attention. Prices furnished on application.

PERFORATED SHEET METALS

No. 00, $\frac{1}{16}$ inch diameter of Hole.No. 31, $\frac{1}{8}$ x $\frac{1}{4}$ inch size of Hole.No. 33, $\frac{1}{8}$ x $\frac{1}{4}$ inch size of Hole.No. 12, $\frac{1}{4}$ inch diameter of Hole.No. 40, $\frac{1}{2}$ x $\frac{1}{4}$ inch size of Hole.No. 39, $\frac{1}{4}$ x $\frac{1}{4}$ inch size of Hole.

PERFORATED ZINC, ROUND HOLE.

Nos.	00	0	1	2	3	3½	4	5	5½	6	6½	7	7½	8	9	10	11	12	13	14	15	16	17	18	19	20
Size of Perforation,	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{5}{8}$	$2\frac{3}{4}$	$2\frac{7}{8}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$
Price per Sq. Foot,	\$0.16	14																								

10

PERFORATED ZINC, CVAL HOLE.

Nos.	31	32	40	43
Size of Perforation,	$\frac{1}{8}$ x $\frac{1}{4}$	$\frac{1}{8}$ x $\frac{3}{8}$	$1\frac{1}{8}$ x $1\frac{1}{4}$	$\frac{1}{4}$ x $1\frac{1}{4}$
Price per Square Foot,	\$0.12½	12½	12½	12½

PERFORATED ZINC, OBLONG HOLE, ROUND ENDS.

Nos.	30½	33	35	35½	36	38	38½	39	42
Size of Perforation,	$\frac{1}{8}$ x $\frac{1}{2}$	$\frac{1}{8}$ x $\frac{3}{4}$	$\frac{1}{8}$ x $\frac{1}{2}$	$1\frac{1}{8}$ x $1\frac{1}{4}$	$\frac{1}{8}$ x $\frac{1}{2}$	$\frac{1}{8}$ x $\frac{3}{4}$	$\frac{1}{8}$ x $\frac{1}{2}$	$\frac{1}{8}$ x $\frac{3}{4}$	$\frac{1}{4}$ x $1\frac{1}{4}$
Price per Sq. Ft.	\$0.12½	12½	12½	12½	12½	12½	12½	12½	12½

PERFORATED ZINC, OBLONG HOLE, SQUARE ENDS.

Nos.	30	37	34
Size of Perforation,	$\frac{1}{8}$ x $1\frac{1}{4}$	$\frac{1}{8}$ x $\frac{1}{2}$	$\frac{1}{4}$ x $\frac{3}{4}$
Price per Square Foot,	\$0.12½	12½	12½

All slots run across the sheet, except No. 38½, in which case they run lengthways of sheet. We keep in stock in sheets 3 feet x 8 feet, all sizes as above, and also carry a stock of Zinc, varying every two inches, from 2 feet to 4 feet in width by 8 feet long.

Owing to the expense of changing the dies, we can only furnish special widths when quantity is required. Our prices are in all cases net for less quantity than a sheet, and the trade must protect themselves by making the necessary advance when asked to order small pieces by their customers.

When called upon to cut a sheet it is our custom to cut across, charging for the full width (3 feet) by the length ordered, as we make no provision for waste in our prices.

Perforated Brass for Well Points $\frac{1}{16}$ round hole.

Perforated Iron for Malt and Oat Kiln Floors.

WIRE CLOTH

No. 18 Grade—THRESHING MACHINE WIRE CLOTH.

MESHES ARE FROM CENTRE TO CENTRE OF WIRES. NO LENGTH LESS THAN 100 FEET SHALL BE UNDERSTOOD TO BE A ROLL.

Nos.	2	2½	3	3½	4	5	6	7	8	9	10	12	14	16	18	20	1	1	1	1
Mesh,	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Size of Wire,	2	2½	3	3½	4	5	6	7	8	9	10	12	14	16	18	20	2	2½	3	4
Per Square Foot,	16	17	18	18½	19	20	21	22	23	24	25	27	28	29	30	31	16 & 17	16 & 17	17 & 18	18 & 19
	80	08	8	8	8	9	9	9	9	9	10	10	10	10	10	12	9	9	9	9

THRESHING MACHINE SIEVES.

For Wheat	3 x 3	3½ x 3½	or 4 x 4	Perforated Zinc.
For Barley	2 x 2	or 2 x 2½		1½ x 1½
For Oats	1 x 2	1 x ¾	1 x ¾	or 1 x 3

The widths mostly used are 34, 35, or 36 inches.

No. 20 Grade—FANNING MILL WEBS.

Nos.	2	2½	3	3½	4	5	6	7	8	9	10	12	14
Mesh	x	x	x	x	x	x	x	x	x	x	x	x	x
Size of Wire,	2	2½	3	3½	4	5	6	7	8	9	10	12	14
Per Square Foot,	17	18	19	20	21	22	23	24	25	26	27	29	30
	80	07	7	7	7	7	7	7	7	7	7	8	8

Nos.	16	18	20	22	¾	¾	¾	2	2	2	2	3	3
Mesh	x	x	x	x	x	x	x	x	x	x	x	x	x
Size of Wire	16	18	20	22	3	4	5	6	7	8	9	12	10
Per Square Foot	31	32	33	34	18 & 20	19 & 20	20 & 22	18 & 20	19 & 21	20 & 22	21 & 23	24 & 26	23 & 25
	80	08	8½	9	10	7	7	7	7	7	7	8	8

*These Meshes, when so ordered, are made of heavier wire cut to length, and pressed flat. Extra charge, five cents per yard.

Our Fanning Mill Webs are without exception, the best in the market. We employ only the best workmen, and the points of excellence will be found to consist in strength of Web, and perfect uniformity of Mesh.

FANNING MILL SIEVES.

For Wheat	4 x 5	4 x 4	or 5 x 5	Perforated Zinc.
For Screening Wheat	7 x 7	8 x 8	or 9 x 9	1½ x 1½
For Peas	3 x 3	or 2 x 3		¾ x ¾
For Oats from Peas	3 x 3	or 2 x 3		¾ x ¾
For Oats from Wheat	5 x 5			1½ x 1½
For Cockle	8 x 8	or 7 x 7		1½ x 1½
For Barley	2 x 5	or 2 x 4½		1½ x 1½
For Clover	13 x 13	or 14 x 14		1½ x 1½
For Timothy	16 x 16	18 x 18	or 20 x 20	
For Chess	3 x 10	3 x 12	or 2 x 12	
For Flax	4 x 13	4 x 14	or 4 x 16	

The widths mostly used are 21, 22, 23, or 24 inches.

No. 21 Grade—HARDWARE WIRE CLOTH.

MESHES ARE FROM CENTRE TO CENTRE OF WIRES. PUT UP IN 12 YARD ROLLS.

	No. of Wire.	CENTS PER YARD.			
		18 inch.	21 inch.	24 inch.	30 inch.
No. 2 x 2 Mesh	18	28	30	35	45
No. 2½ x 2½ Mesh	19	28	30	35	45
No. 3 x 3 Mesh	20	28	30	35	45
No. 4 x 4 Mesh	22	28	30	35	45
No. 5 x 5 Mesh	23	28	30	35	45
No. 6 x 6 Mesh	24	28	30	35	45
No. 7 x 7 Mesh	25	30	32	37	47
No. 8 x 8 Mesh	26	30	32	37	47
No. 9 x 9 Mesh	27	30	32	37	47
No. 10 x 10 Mesh	28	33	35	40	50
No. 12 x 12 Mesh	30	33	35	40	50
No. 14 x 14 Mesh	32	35	37½	43	53
No. 16 x 16 Mesh	34	35	37½	43	53
No. 18 x 18 Mesh	35	37	40	45	55
No. 20 x 20 Mesh	36	37	40	45	55
No. 22 x 22 Mesh	36	37	40	45	55

WIRE CLOTH

No. 22 Grade—GALVANIZED WIRE CLOTH, FOR FRUIT DRYING.

MESHES ARE FROM CENTRE TO CENTRE OF WIRE—NO LENGTH LESS THAN 100 FEET SHALL BE UNDERSTOOD TO BE A ROLL.

No. 2	2 x 2	Mesh, made of No. 18 Wire	8 cents per square foot
No. 2½	2½ x 2½	" " 18 "	" " " "
No. 3	3 x 3	" " 19 "	" " " "
No. 4	4 x 4	" " 21 "	" " " "
No. 5	5 x 5	" " 22 "	" " " "
No. 6	6 x 6	" " 23 "	" " " "
No. 8	8 x 8	" " 25 "	" " " "

For apple drying the usual Mesh is 2½ and 3. Widths in stock : 24, 30 and 36 inch.

HONEY EXTRACTOR CLOTH.

4 x 4 Mesh, Tinned Wire	8 cents per square foot
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Widths in stock : 10, 12, 14, 16, 18 inches wide.

COTTON AND WOOL DRYING FLOORS.

We publish a special list for Cotton and Woolen Mills, which we shall be pleased to send with samples and prices on application.

NOTE—In ordering Wire Cloth the Mesh is from centre to centre of wire, not between wires ; Spaces are in the clear between wires. We have any Mesh or Width in Brass, Copper, Galvanized Iron or Steel when quantity is required.

SAND SCREEN WIRE CLOTH.

PUT UP IN 50 FT. ROLLS.

No. 2½ x 2½ Mesh, made of No. 17 Wire	8 cents per square foot
No. 3 x 3 " " 18 "	" " " "
No. 4 x 4 " " 19 "	" " " "
No. 5 x 5 " " 20 "	" " " "
No. 6 x 6 " " 21 "	" " " "
No. 10 x 10 " " 24 "	" " " "
No. 12 x 12 " " 25 "	10 " " " "

Widths in stock : 24, 30 and 36 inches.

SPECIAL LATH CLOTH.

No. 2½ x 2½ Mesh, made of No. 18 Wire, 30 and 36 inches wide price,

The Wire Lathing has assumed such proportions that we have constructed special machinery for making it. We now offer it at a price that will compare favorably with our cheapest grade of cloth. Besides being used for Lathing purposes, it makes a good cheap basement and factory window guard.

BRASS MILK STRAINER CLOTH.

PUT UP IN 5 FT. ROLLS 12 INCHES WIDE.

No. 40 x 40 Mesh	24 cents per square foot	No. 65 x 65 Mesh	65 cents per square foot
No. 50 x 50 " "	27 " " "	No. 70 x 70 " "	75 " " "
No. 55 x 55 " "	36 " " "	No. 80 x 80 " "	95 " " "
No. 60 x 60 " "	55 " " "		

For Milk Strainers, 50 Mesh is the Standard.

OFFICE WINDOW BLIND WEB.

No. 30 Mesh, widths 24, 30, 36, 42 and 48	22 cents per square foot
In Frame Stained Imitation Walnut	40 " " "
In Black Walnut Frame	45 " " "

Painting and Lettering extra.

The advantage of these Screens is that persons inside a room can look out without difficulty, while those from the street cannot look in, and you are thus secluded from the gaze of outsiders.

PAINTED WIRE SCREEN CLOTH



Put up in Rolls of 50 and 100 Lineal Feet.

Painted Green—Widths in stock, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42 inches

Painted Drab—Widths in stock, 24, 30 and 36 inches

"Figured"—24, 30 and 36 inches wide

"Landscape"—30 inches wide

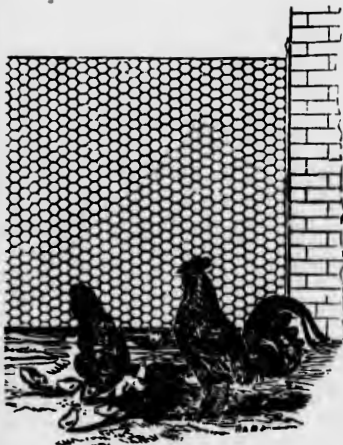
Price, 5 cents per square foot

Price, 5 cents per square foot

Price, 8 cents per square foot

Price, 14 cents per square foot

GALVANIZED TWISTED WIRE NETTING



Galvanized Wire Netting is now used for a great variety of purposes, and the increased demand has induced us to give it special attention. We now stock all the principal sizes and widths, as will be seen by the accompanying price list.

It is made of best quality wire, galvanized after being made, thus preventing any danger of rust, and making it very durable.

Its principal uses are for garden and ornamental purposes, lawn tennis nets, poultry runs, bird and small animal cages, chicken coops, pigeon houses, rabbit hutches, aviaries, drying glue, fruit, etc.

PRICE LIST.

PUT UP IN FIFTY-YARD ROLLS.

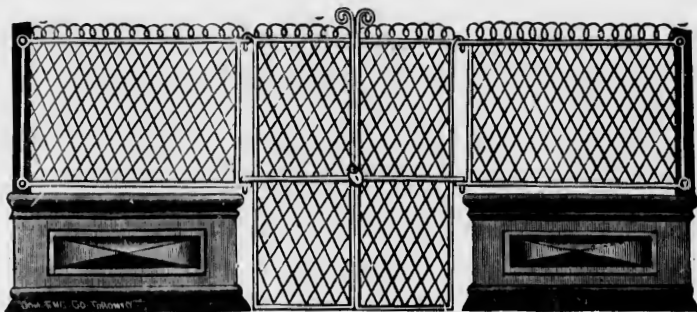
Size of Mesh, inch,	2	2	2	2	2	2	2	2	2	1½	1½
Size of Wire, No.	18	19	18	19	17	18	19	19	18	19	19
Inches wide,	72	72	48	48	36	36	36	30	30	72	48
Per Lineal Yard,	\$0 50	44	34	28	33	25	22	19	21	60	40
Size of Mesh, inch,	1½	1½	1	1	1	¾	¾	¾	¾	¾	¾
Size of Wire, No.	19	19	20	20	20	21	21	21	22	22	22
Inches wide,	36	30	36	30	24	36	30	24	36	30	24
Per Lineal Yard,	\$0 30	25	42	35	38	55	45	37½	1 20	1 00	80

We also keep the following for a cheap Garden Fence, or when a stronger Netting is required:

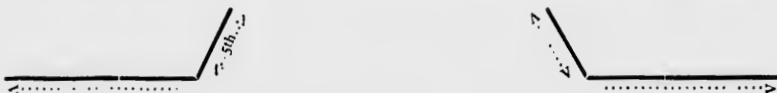
3 inch Mesh, made of No. 14 Wire, 36 inches wide
 3 inch Mesh, made of No. 14 Wire, 36 inches wide
 3 inch Mesh, made of No. 14 Wire, 42 inches wide
 3 inch Mesh, made of No. 14 Wire, 48 inches wide

30 cents per lineal yard
 35 cents per lineal yard
 40 cents per lineal yard
 45 cents per lineal yard

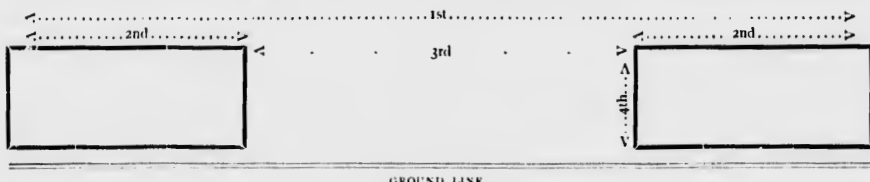
CRIMPED WIRE GUARDS, FOR STORE WINDOWS



Wire Guards of our manufacture are made of $\frac{3}{8}$ inch diameter round iron, covered with $\frac{1}{4}$ inch diamond mesh, made of No. 10 best iron wire, very strongly put together and well made in every particular. We annex two sketches, which will be found useful when ordering:



No. 1 shows top view, and is to be used when guards are to be made to protect side lights without gates. Fill in the dotted lines.



No. 2 is a front view. When measuring for guards with gates, fill in all the dotted lines. The principal sizes required are: First, the entire length of front; second, length of each window to outside of moulding; third, distance between moulding; fourth, height of sill; fifth, length of the rods for the gates; for the fifth, see sketch No. 1.

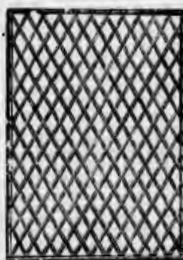
Window Guards	per square foot, 18 cents
Window Guards and Returns	per square foot, 20 cents
Window Guards and Gates	per square foot, 22 cents
Gates only	per square foot, 30 cents

When measurement does not exceed 9 square feet, the work is charged as per List.

PRICE LIST OF Nos. 1, 2, 3, 4 and 5 CRIMPED WINDOW GUARDS.



NO. 2 WIRE WINDOW GUARD,
For Store Windows, etc.



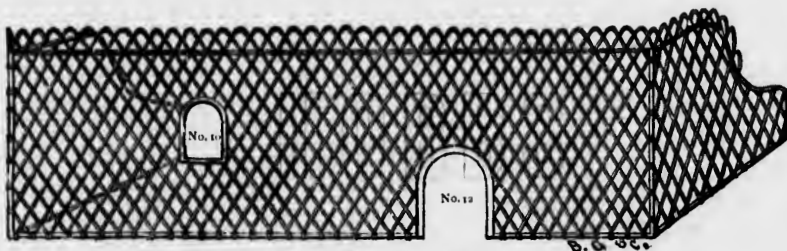
NO. 3 WIRE WINDOW GUARD,
For Basement Windows, etc.

$\frac{3}{8}$ inch Mesh, No. 16 Wire	17 cents per square foot
$\frac{3}{8}$ " " " 15 "	20 " " "
$\frac{3}{8}$ " " " 14 "	23 " " "
1 " " " 14 "	20 " " "
1 " " " 13 "	23 " " "
1 " " " 12 "	26 " " "
1 $\frac{1}{2}$ " " " 13 "	20 " " "
1 $\frac{1}{2}$ " " " 12 "	23 " " "
1 $\frac{1}{2}$ " " " 11 "	26 " " "
1 $\frac{1}{2}$ " " " 12 "	20 " " "
1 $\frac{1}{2}$ " " " 11 "	23 " " "
1 $\frac{1}{2}$ " " " 10 "	26 " " "
1 $\frac{1}{2}$ " " " 11 "	20 " " "
1 $\frac{1}{2}$ " " " 10 "	23 " " "
1 $\frac{1}{2}$ " " " 9 "	26 " " "
2 " " " 11 "	17 " " "
2 " " " 10 "	20 " " "
2 " " " 9 "	25 " " "
2 " " " 8 "	30 " " "

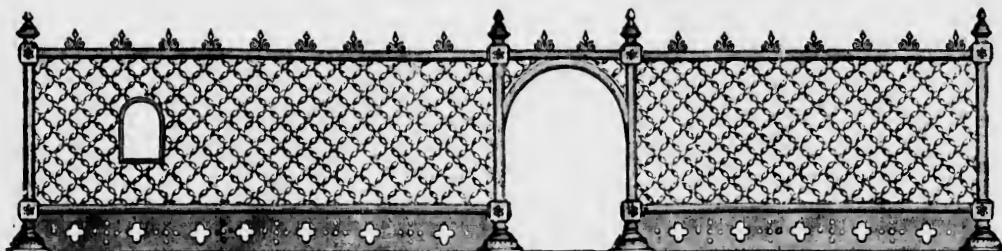
We publish a special Catalogue of Wire Guards, to
be had on application.

BANK AND OFFICE WIRE COUNTER RAILING

761



NO. 5 OFFICE COUNTER RAILING.



TWISTED FLAT BRASS IN TUBULAR FRAME.

We publish a full catalogue of Counter Railing, including designs in Brass and Iron from 40 cents per foot up, which we shall be pleased to mail on application.

WIRE SIGNS.



WIRE BANNER SIGNS.

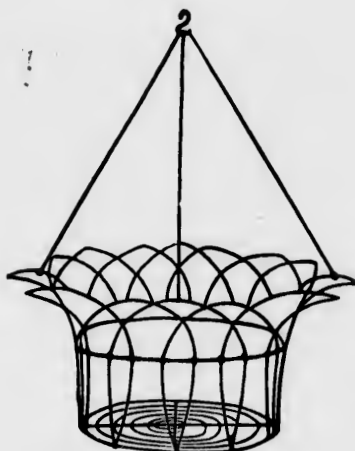
2½ x 3 feet high, Black Letters	each, \$7 00	6 x 7 feet high, Black Letters	each, \$20 00
3 x 4 feet high, Black Letters	each, 8 50	7 x 8 feet high, Black Letters	each, 25 00
4 x 5 feet high, Black Letters	each, 11 00	7 x 9 feet high, Black Letters	each, 28 00
5 x 6 feet high, Black Letters	each, 14 00	<i>Other sizes at proportionate prices.</i>	

The Wire Banner Sign is intended to be hung from the front of the building, or suspended across the street on a wire cable; thus arranged the lettering can be read at a considerable distance. By reducing the number of letters and increasing the size the advertisement is still more effective. List of other designs on application.

FLOWER STANDS AND HANGING BASKETS



No. 9 Half Round Stand, with Arch, 6 feet 3 inches high,
4 feet wide, 30 inches deep price, \$7 00



No. 5.

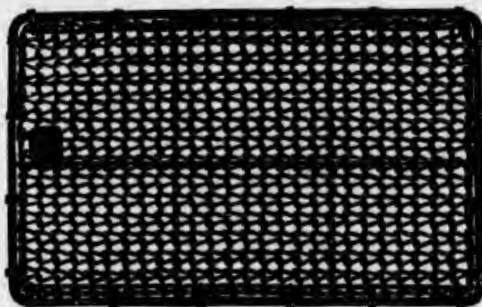
No. 5 Flower Basket

per dozen, \$2 50

Special catalogue of above on application.

GREENING'S PATENT REVERSIBLE STEEL WIRE DOOR MAT

TORONTO
INDUSTRIAL
EXHIBITION
1885
SILVER MEDAL
1886
DIPLOMA.



COLONIAL
AND
INDIAN
EXHIBITION
LONDON
ENGLAND
1886
GOLD MEDAL.

CLEANLY.

Nos.	1	2	3	4	5	6	7	8
Size, inches,	16 1/2 x 24	18 x 28	20 x 30	22 x 36	24 x 40	24 x 48	30 x 48	36 x 48
Price, each,	\$2 00	\$2 50	\$3 00	\$3 50	\$4 00	\$5 00	\$6 00	\$7 00

These Mats are wear and waterproof.

The greatest thing in the way of a Mat ever devised.

These Mats are self-cleaning, and require no shaking.

Snow, ice, mud, clay and water are wiped out of sight by the slightest scrape.

Made from Galvanized Steel Wire with Japanned, Galvanized or Nickel Plated Frame.

Especially adapted for Churches, Schools, Hotels, Offices, Stores, Private Residences, Elevators,

Railways, Street Cars, Steamboats, etc.

They cost one-third to one-half less than the Corrugated Rubber Mat of equal thickness, and are

adapted for any and every place where a mat or matting is needed.

These Mats were formerly made of Iron Wire. We are now using best quality of Bessemer Steel, thereby giving a very superior article.

Special sizes made to order at 65 cents per square foot. Mats with curves, or special forms made to order.

BEST COPPERED STEEL SPRINGS



Sofa, Chair and Pillow Springs.

SOFA SPRINGS.

5 inches long, of No. 10 Wire 7 cts. per pound | 6 to 9 inches long, of No. 9½ Wire. 8½ cts. per pound
 10 to 14 inches long, of No. 9 Wire. 6 cts. per pound | Tied at both ends..... extra. 3 cts. per pound

MATTRESS SPRINGS.

5 inches long, of No. 10 Wire 8 cts. per pound | 6 and 7 inches long, of No. 9½ Wire. 7½ cts. per pound
 8 and 9 inches long, of No. 9 Wire. 7 cts. per pound | Tied at one end..... extra. 2 cts. per pound

PILLOW SPRINGS.

4, 5 and 6 inches long, of No. 15 Wire..... 16 cts. per pound Tied at both ends, 3 cts. per pound extra

PLATFORM-ROCKER CHAIR SPRINGS.

Chicago Rocker Springs, with castings complete. . 30 cts. per pair | Coiled Wire Rocker Springs . 10 cts. per pair

CHAIR SPRINGS.

4 inches long, of No. 15 Wire..... 16 cts. per pound | 5 inches long, of No. 11 Wire..... 9 cts. per pound
 4 inches long, of No. 14 Wire..... 14 cts. per pound | 6 inches long, of No. 12 Wire..... 9 cts. per pound
 4 inches long, of No. 12 Wire..... 12 cts. per pound | 6 inches long, of No. 11 Wire..... 8 cts. per pound
 5 inches long, of No. 14 Wire..... 12 cts. per pound | 6 inches long, of No. 10 Wire..... 7 cts. per pound
 5 inches long, of No. 12 Wire. . . 10 cts. per pound



GALVANIZED CLOTHES LINE WIRE.

Seven Strand, No. 16 Wire..... per 100 feet, \$1 00
 Seven Strand, No. 17 Wire..... per 100 feet, 75
 Seven Strand, No. 18 Wire..... per 100 feet, 60
 Seven Strand, No. 19 Wire..... per 100 feet, 50



Nos. 19 18 17 16

GALVANIZED WIRE STRAND

FOR FENCING, STAYING SMOKER STACKS, ETC.

Seven wires No. 19 Weight per 1,000 feet..... 34 pounds
 Seven wires..... No. 18 Weight per 1,000 feet..... 42 pounds
 Seven wires..... No. 17 Weight per 1,000 feet..... 56 pounds
 Seven wires..... No. 16 Weight per 1,000 feet..... 75 pounds
 Seven wires..... No. 12 Weight per 1,000 feet..... 200 pounds

Seven wires, Nos.	8	9	10	11	12	13	14
Diameter in inches,	3/8	7/16	7/8	1 1/8	1 1/4	1 3/8	1 1/2
Weight per 1,000 feet,	550	425	310	240	200	180	120
Price per pound, cents,	8	8	8	9	9	10	10
Seven wires, Nos.	15	16	17	18	19	20	21
Diameter in inches,	1 1/8	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2
Weight per 1,000 feet,	100	75	56	42	34	25	16
Price per pound, cents,	11	11	12	12	14	15	16



LONDON WIRE SASH CORD.

Nos.	25	26	27	28	29	30	31
Diameter, inch,	1/4	5/16	3/8	7/16	1/2	5/8	3/4
Steel, per foot, cents,	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
Galvanized or Tinned per foot, cts.,	5	4 1/2	4	3 1/2	3	2 1/2	1 1/2

GALVANIZED

WIRE ROPE

We supply Ropes of all degrees of pliability, from the one containing 42 wires, with hemp centre, to one containing 798 wires to the Rope. The latter is very flexible, and is only required when large ropes have to work over small pulleys. Parties not having experience in the use of Wire Rope should always state the purpose it is to be used for.

GALVANIZED WIRE ROPE FOR

SHIPS' RIGGING, DERRICK STAYS, BRIDGES, ETC.

SEVEN WIRES TO STRAND.

Diameter in Inches.	Circumference in inches	Price per lb. in cents.	Circumference of Hemp Rope of equal strength.	Breaking Strain in tons of 2,000 lbs.	Weight per fathom in lbs.	Diameter in Inches.	Circumference in inches	Price per lb. in cents.	Circumference of Hemp Rope of equal strength.	Breaking Strain in tons of 2,000 lbs.	Weight per fathom in lbs.
$\frac{1}{4}$	$\frac{3}{4}$	22	$1\frac{1}{4}$	1	$\frac{1}{2}$	$1\frac{1}{16}$	$3\frac{1}{4}$	8	$6\frac{1}{2}$	14	$9\frac{1}{2}$
$\frac{5}{16}$	1	18	2	$1\frac{1}{2}$	$\frac{3}{4}$	$1\frac{3}{8}$	$3\frac{1}{2}$	8	7	16	$10\frac{3}{4}$
$\frac{3}{8}$	$1\frac{1}{8}$	14	$2\frac{3}{8}$	2	$1\frac{1}{2}$	$1\frac{1}{4}$	$3\frac{3}{4}$	8	$7\frac{1}{2}$	20	12
$\frac{7}{16}$	$1\frac{1}{4}$	12	$2\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{5}{16}$	4	8	8	23	$14\frac{3}{4}$
$\frac{1}{2}$	$1\frac{1}{2}$	10	3	$3\frac{1}{2}$	$2\frac{1}{4}$	$1\frac{3}{8}$	$4\frac{1}{4}$	8	$8\frac{1}{2}$	26	16
$\frac{9}{16}$	$1\frac{3}{4}$	$10\frac{1}{2}$	$3\frac{1}{2}$	5	$2\frac{1}{2}$	$1\frac{1}{2}$	$4\frac{1}{2}$	8	9	30	18
$\frac{5}{8}$	2	9	4	7	$3\frac{1}{2}$	$1\frac{9}{16}$	$4\frac{3}{4}$	8	$9\frac{1}{2}$	33	$20\frac{1}{2}$
$\frac{3}{4}$	$2\frac{1}{4}$	$8\frac{1}{2}$	$4\frac{1}{2}$	8	$4\frac{1}{2}$	$1\frac{5}{8}$	5	8	10	35	22
$\frac{13}{16}$	$2\frac{1}{2}$	$8\frac{1}{4}$	5	9	$5\frac{1}{2}$	$1\frac{3}{4}$	$5\frac{1}{4}$	8	$10\frac{1}{2}$	40	$24\frac{1}{2}$
$\frac{7}{8}$	$2\frac{3}{4}$	8	$5\frac{1}{2}$	10	$6\frac{1}{4}$	$1\frac{7}{8}$	$5\frac{1}{2}$	8	11	43	$26\frac{1}{2}$
1	3	8	6	12	$8\frac{1}{3}$						

NOTE.—If required with wire centres, add 10 per cent. to weight. These Ropes should never be used for running rope.

BEST BRANDS NORWAY AND SWEDEN'S IRON.

PLIABLE HOISTING AND RUNNING ROPES.

NINETEEN WIRES TO THE STRAND—HEMP CENTRE.

Trade Number.	Price per foot in cents.	Diameter.	Circumference.	Weight per foot in lbs.	Breaking Strain in tons of 2,000 lbs.	Proper working loads in tons of 2,000 lbs.	Circumference of Hemp Rope of equal strength.	Minimum size of Drum of Sheave in feet.
1	31	$1\frac{1}{4}$	4	2.40	27.	$5\frac{1}{2}$	$9\frac{1}{2}$	4
2	25	$1\frac{1}{8}$	$3\frac{1}{2}$	1.90	20.	4	8	$3\frac{1}{2}$
3	22	1	$3\frac{3}{8}$	1.52	16.	3	7	3
4	17	$\frac{7}{8}$	$2\frac{3}{4}$	1.15	$11\frac{1}{2}$.	$2\frac{1}{2}$	6	$2\frac{3}{4}$
5	14	$\frac{3}{4}$	$2\frac{1}{4}$	.85	8.64	$1\frac{3}{4}$	5	$2\frac{1}{2}$
6	12	$\frac{5}{8}$	2	.62	5.13	$1\frac{1}{4}$	$4\frac{1}{2}$	2
7	10	$\frac{9}{16}$	$1\frac{5}{8}$	.44	4.27	$\frac{3}{4}$	4	$1\frac{3}{4}$
8	8	$\frac{1}{2}$	$1\frac{1}{2}$	.40	3.48	$\frac{1}{2}$	$3\frac{1}{2}$	$1\frac{1}{2}$
9	6	$\frac{3}{8}$	$1\frac{1}{8}$	.23	1.65	$\frac{1}{4}$	$2\frac{1}{4}$	1

NOTE.—All the above Ropes have hemp centre; for wire centre, add 10 per cent. to the weight and 10 per cent. per foot to the price. Unless specially ordered, all Ropes will be made with hemp centre. Siemens—Martin and Bessemer Steel the same price as above.

BEST BRANDS NORWAY AND SWEDES IRON

TRANSMISSION AND STANDING ROPES.

765

SEVEN WIRES TO STRAND—HEMP CENTRE.

Trade No.	Price per Foot in cents.	Diameter.	Circumference.	Weight per Foot in lbs.	Breaking Strains in Tons of 2000 lbs.	Proper Working Load in Tons of 2000 lbs.	Circumference of Hemp Rope of Equal Strength.
10	40	1 1/8	4 3/8	3.37	36	9	10 3/4
11	33	1 3/8	4 1/2	2.70	30	7 1/2	10
12	29	1 1/2	3 3/4	2.25	25	6 1/4	9 1/4
13	23	1 3/8	3 3/8	1.80	20	5	8
14	20	1	3	1.50	16	4	7
15	16	3/4	2 3/8	1.12	12.3	3	6 1/2
16	12	3/4	2 3/8	.85	8.8	2 1/4	5 1/4
17	10	11/16	2 1/8	.68	7.6	2	5
18	9	3/4	1 7/8	.60	5.8	1 1/2	4 1/4
19	7	9/16	1 3/8	.45	4.1	1	4
20	6	1/2	1 3/8	.35	2.83	3/4	3 1/4
21	4	3/8	1 3/8	.21	1.65	1/2	2 1/2

NOTE.—All the above Ropes have Hemp centre; for Wire centre, add ten per cent. to the weight, and ten per cent. per foot to the price. Unless specially ordered, all Ropes will be made with Hemp centre. Siemens—Martin and Bessemer steel the same price as above.

CAST STEEL PLIABLE HOISTING ROPES.

NINETEEN WIRES TO STRAND.

Trade No.	Price per Foot in cents.	Diameter.	Circumference in inches.	Weight per Foot in lbs.	Breaking Strains in Tons of 2000 lbs.	Proper Working Load in Tons of 2000 lbs.	Circumference of Hemp Rope of Equal Strength.	Minimum Size of Drum in feet.
1	71	1 1/2	4 3/4	3.40	55	16	13	5 1/2
2	60	1 3/8	4 3/8	2.77	45	12	12	5
3	50	1 1/4	4	2.45	39	10	11 1/2	5
4	41	1 1/8	3 3/4	2.00	30	8	10	4 1/2
5	34	1	3 3/8	1.58	24	5	9 1/4	4
6	27	3/4	2 3/4	1.20	20	4	8	3 1/2
7	21	3/4	2 1/4	.86	13	3	6 1/2	3 1/2
8	18	3/8	2	.65	9	2	5 1/4	3
9	14	1/2	1 1/2	.40	5 1/2	1	4 1/4	2
10	12	3/8	1 3/8	.25	3 1/4	....	3 3/4	1 1/2

TRANSMISSION AND STANDING ROPES.

SEVEN WIRES TO STRAND—HEMP CENTRE.

Trade No.	Price per Foot in cents.	Diameter.	Circumference.	Weight per Foot in lbs.	Breaking Strains in Tons of 2000 lbs.	Proper Working Load in Tons of 2000 lbs.	Circumference of Hemp Rope of Equal Strength.
11	70	1 1/2	4 3/8	3.30	67	16	15
12	60	1 3/8	4 1/2	2.70	55	12 1/2	13
13	50	1 1/4	3 3/4	2.28	45	10	12
14	40	1 1/8	3 3/8	1.85	36	8	10 3/4
15	32	1	3	1.55	30	6 1/2	10
16	25	3/4	2 3/8	1.13	22	5	8 1/2
17	19	3/4	2 3/8	.85	17	3 1/2	7 1/4
18	16	11/16	2 1/8	.70	13 1/2	3	6 1/4
19	14	3/8	1 7/8	.60	10	2 1/4	5 1/2
20	11	9/16	1 3/8	.48	8	1 3/4	5
21	8	1/2	1 3/8	.40	6	1 1/4	4 1/4
22	7	3/8	1 3/8	.22	4	1	3 1/4

NOTE.—All the above Ropes have Hemp centre; for Wire centre, add ten per cent. to the weight and ten per cent. per foot to the price. Unless specially ordered, all Ropes will be made with Hemp centre

WIRE ROPE

EXTRA PLIABLE TILLER ROPES.

WITH 6 STRANDS OF 42 WIRES EACH—HEMP CENTRE IN STRANDS AND ROPE.

Diameter, inch
Cents per foot,

$\frac{3}{16}$
10

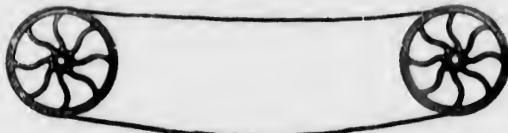
$\frac{1}{2}$
12

$\frac{3}{4}$
14

$\frac{1}{2}$
18

WIRE ROPE AND WHEELS.

FOR TRANSMITTING POWER.



The system of transmission of power by means of a wire rope is the best and cheapest known. There is scarcely a power in existence where it would not be convenient at times to transfer it, or a portion of it, to some isolated building at a distance from the seat of power. There are many places where a good water power could be obtained, but where there was no suitable site for a building. Suppose A owns an engine of thirty horse-power, and finds he can spare a power of seven horse; this, by means of the Rope System, could be lent to B, owning a mill situated some distance away, the rent of which could go toward paying the expense of running A's engine, and save to B the outlay of capital necessary to put in a seven horse-power engine, and also lessen his insurance and risk of fire. We manufacture two kinds of Rope—one of 19 wires to the strand, or 114 wires to the rope; the other with 7 wires to the strand, or 42 wires to the rope. The most pliable variety is the one containing 19, and is generally used for Hoisting and Running Rope; but where the pulleys are large, a rope of 7 wires to the strand will answer as large as $\frac{3}{4}$ in diameter. If larger than that they require to be made with more wires to the strand.

In the construction of machinery for wire Rope it will be found economical to make the drums and wheels as large as possible. In ordering a rope that you require sent spliced, send us the neat length, which can be obtained by passing a wire round the pulley when fixed; or, if not convenient, send the neat length from centre to centre, and the diameter of pulley, and we will send the rope the proper length.

TABLE OF TRANSMISSION OF POWER BY WIRE ROPES.

SHOWING THE NECESSARY SIZE AND SPEED OF WHEELS AND ROPE TO OBTAIN ANY DESIRED AMOUNT OF POWER.

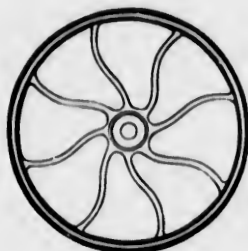
Diameter of Rope,	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Diameter of Pulley,	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9
Number of Revolutions,	100	140	100	120	140	100	120	140	100	120	140	80	100	120	140	80	100	120	140	80	100	120	140
Horse Power,	2	3	4	5	5.8	8.6	10.3	12	13.4	16.1	18.7	16.9	21.1	25.3	29.6	22	27.5	33	38.5	41.5	51	62	2
Diameter of Rope,	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$
Diameter of Pulley,	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	14	14	14	15	15	15	15
Number of Revolutions,	140	80	100	120	140	80	100	120	140	80	100	120	140	80	100	120	80	100	120	80	100	120	140
Horse Power,	72.6	58.4	73	87.6	102.2	75	94	113.3	132	109.3	124	148.9	173.7	122	153.2	183.9	148	185	222	217	259	300	

The above table of horse-powers will enable any one to select the size of the Rope and Pulley necessary to transmit the required power, as it will be found to meet all general requirements. Should it be found necessary to convey the entire power of a certain shaft, which is driven by a belt of a given size, its equivalent may be found by the following simple rule, viz.: that 70 square feet of belt surface is equal to one horse-power. Take for example a belt one foot wide running at the rate of 1,400 feet per minute, then the

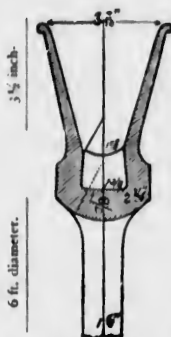
$$\text{Horse-power} = \frac{1400 \times 1}{70} = 20;$$

and by referring to the table we find the diameter of the wheel corresponding to the horse-power, and making the same number of revolutions that the belt pulley does.

CAST IRON WHEELS



Sketch of Wheel.



Section of Rim of 6 foot Wheel.

Wheels made of Cast Iron are decidedly the best and cheapest, as they are the most durable, and will remain always true.

By referring to the sketch of Section of Rim it will be perceived that the bottom of the Groove is made a little wider, thus preventing the filling from coming out. The Wheels made by us have a filling of leather or rubber; but a variety of materials may be used for the purpose. The diameter of the Wheel is reckoned from the outside of the filling, and not from the outside of the rim.

PRICE OF WHEELS.

BORED TO FIT SHAFT, AND LINED WITH LEATHER FILLING.

Diameter in Feet,
Each.

2 00 3 00 4 50 5 00 6 00 7 00 8 00 9 00

Special price for larger sizes.

INCLINED PLANE.

For the benefit of those desiring to use Wire Rope on slopes, inclined planes, etc., we subjoin a table by which the strain produced by any load can easily be calculated. The table gives the strain produced on a rope by a load of one ton of two thousand pounds, an allowance for rolling friction being made. An additional allowance for the weight of the rope will have to be made.

EXAMPLE: For an inclination of 25 feet in 100 feet, corresponding to an angle of $14\frac{1}{2}$ degrees, a load of 2,000 pounds will produce a strain on the rope of 497 pounds, and for a load of 8,007 pounds, the strain on the rope will be:

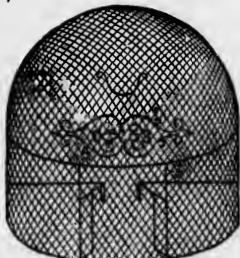
$$\frac{497 \times 800}{2000} = 1,988 \text{ pounds.}$$

Elevation in 100 Feet.	Corresponding Angle of Inclination.	Strain in lbs. on Rope from a Load of 2,000 lbs.	Elevation in 100 Feet.	Corresponding Angle of Inclination.	Strain in lbs. on Rope from a Load of 2,000 lbs.
5	2 3/4 degrees	112	95	43 1/2 degrees	1385
10	5 1/2 "	211	100	45 "	1419
15	8 1/2 "	308	105	46 1/2 "	1457
20	11 1/2 "	404	110	47 1/2 "	1487
25	14 1/2 "	497	115	49 "	1516
30	16 3/4 "	586	120	50 1/2 "	1544
35	19 1/2 "	673	125	51 1/2 "	1570
40	21 1/2 "	754	130	52 1/2 "	1592
45	24 1/4 "	832	135	53 1/2 "	1614
50	26 1/2 "	905	140	54 1/2 "	1633
55	28 1/2 "	975	145	55 1/2 "	1653
60	31 "	1040	150	56 1/2 "	1671
65	33 1/4 "	1100	155	57 1/2 "	1689
70	35 "	1156	160	58 "	1703
75	37 "	1210	165	58 1/2 "	1717
80	38 1/2 "	1260	170	59 1/2 "	1729
85	40 1/2 "	1304	175	60 1/2 "	1742
90	42 "	1347			

A factor of safety of five to seven times should be taken—that is, the working load on the rope should only be one-fifth to one-seventh of its breaking strength. As a rule, ropes for shafts should have a factor of safety of five; and on inclined planes, where the wear is much greater, the factor of safety should be seven.

The above table is from a pamphlet published by a high authority on Wire Rope, and we think can be relied on.

SPARK GUARDS



CLOSE TOP SPARK GUARD.

No. 1	18 inches wide	each, \$1 25
No. 2	20 inches wide	each, 1 35
No. 3	22 inches wide	each, 1 87
No. 4	24 inches wide	each, 2 10

Our Spark Guards are made of $\frac{1}{4}$ inch Mesh Crimped Wire, and will fit the grate closely. They are colored blue, and form a safe protection against sparks.

BRASS SPARK GUARDS.

Prices are the same as above, with 50 per cent. added.

Boiler Tube Cleaner, Greening's Patent.



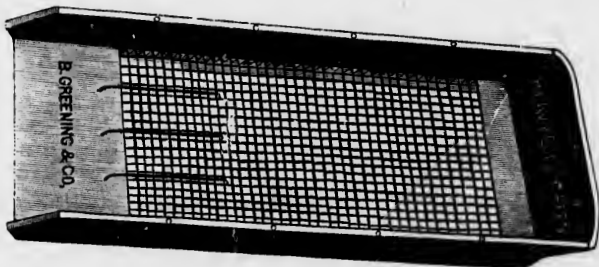
The Cut represents a first-class Boiler Tube Cleaner. Its adaptability both as a scraper and cleaner renders it greatly superior to any yet offered, while its strength and durability constitutes it both an efficient and economical article.

Price to 3 inches in diameter

\$2 00

Larger sizes at the rate of \$1.00 per inch advance.

Extra Heavy Steel Wire Coal Screens.

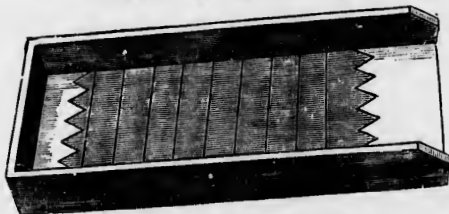


These Screens are made with a heavy wood frame, strongly put together, and filled with extra heavy Crimped Steel Wire, same as our No. 11 Grade Wire Cloth. The wire cloth is firmly attached to the frame and secured with flat iron top and bottom. Iron shoveling fenders are placed at the bottom, as shown in Cut, and cross rods at the back of screen to prevent sagging when screening large, heavy coal.

For Chesnut Coal, $\frac{3}{8}$ inch Mesh, size 7 ft. x 34 in. each, \$8 50 | For Nut Coal, $\frac{1}{2}$ and $\frac{3}{4}$ inch Mesh, size 7 ft. x 34 in. each, \$8 50
For Stove Coal, $\frac{3}{4}$ inch Mesh, size 7 ft. x 34 in. each, 8 50 | For Soft Coal, $\frac{1}{2}$ and 1 inch Mesh, size 7 ft. x 34 in. each, 8 50

The above sizes are in the opening or between the wires. We make a smaller size, useful as a Portable Screen, 5 ft. x 27 in., price \$6.50 each.

Masons' Screens.



EXTRA HEAVY SAND SCREENS.

No. 1 Locket, size 7 ft. x 34 in. each, \$8 00 | No. 3 Crimped, size 7 ft. x 34 in. each, \$6 00
No. 2 Locket, size 5 ft. x 26 in. each, 6 00 | No. 4 Crimped, size 5 ft. x 26 in. each, 4 00

The usual size is $\frac{1}{4}$ Me-h in the clear, but any size made to order.

These Screens are made with a heavy wood frame, the top and bottom pieces being of dry hard wood. In the Locket Screen the upright wires are firmly wrapped around the heavy supporting rods. The Crimped Screen is made of Crimped Wire, and so constructed as to give the largest possible amount of screening surface. As in the Locket Screen there are no fine wires to cut, hence the screen cannot get out of order until completely worn out. We guarantee these Screens the best and cheapest in the market.

STEEL WIRE BROOMS



STEEL WIRE BROOMS.

No. 1	10 x 3½ inch, Wire 5 inch long, 5 Rows	per dozen, \$12 00
No. 2	12 x 4 inch, Wire 6 inch long, 5 Rows	per dozen, 15 00
No. 3	14 x 4½ inch, Wire 7 inch long, 5 Rows	per dozen, 18 00
No. 4	12 x 2½ inch, Wire 5 inch long, 4 Rows	per dozen, 10 50
No. 5	14 x 2½ inch, Wire 5 inch long, 4 Rows	per dozen, 12 00

These brooms are made of the best Flat Steel Wire, and are intended to be used where strength and durability are required. They are especially adapted for freight and cattle cars, street crossings, factories, barns, stables, breweries, etc. They have given great satisfaction, and have proved to be the most economical Broom in use, owing to their great durability.

Ash Sifters, or Coal Sieves.



No. 1.



No. 2.



No. 3.

No. 1	Very strong Sifter, Heavy Wooden Hoop in one piece, through which the Wire Mesh is woven by hand	per dozen, \$15 00
No. 2	Strong Sifter, with Lid Hinged in Centre	per dozen, 12 00
No. 3	Square Barrel Ash Sifter, made to fit ordinary barrel	per dozen, 10 00

Coal Sieves.



ASH SIFTERS OR COAL SIEVES.

Square, two in a nest; small one, 10½ x 14½ inch;	per dozen, \$2 75
large 12½ x 16½ inch	per dozen, 3 25
All large sizes	

Timothy and Flour Sieves.



Three in a nest. Size 11, 12 and 13 inches diameter.

Nos. 14, 16, 18, 20 and 22 Mesh	per dozen, \$2 00
Nos. 14, 16, 18, 20 and 22 Mesh, Tinned	2 25

These Sieves will be found to be of superior make and quality.

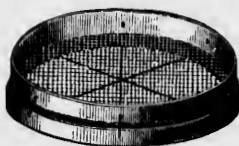
Farmers' Seed Sieves.



18 inch diameter, 2 to 22 Mesh

per dozen, \$5 00

MOULDERS' RIDDLES.

Nos. 1, $\frac{1}{8}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ Mesh. Nos. 3, 4, 5, 6, 7, 8, 10, 12 Mesh.

Steel and Iron, 18 inches diameter
Galvanized, 18 inches diameter
Brass, 18 inches diameter

per dozen, \$ 8 00
per dozen, 10 00
per dozen, 13 00

The care bestowed upon these to produce a strong and durable article has earned for them a favorable reputation, and the increased demand prove them to meet the requirements of Iron Founders.

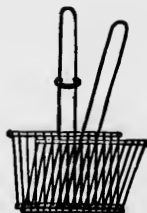
STEEL WIRE MOULDERS' BRUSHES.



No. 1	Square Brush, 2 Rows, $\frac{3}{4}$ inch Wire	per dozen, \$5 00
No. 2	Square Brush, 3 Rows, $\frac{3}{4}$ inch Wire	per dozen, 6 00
No. 3	Square Brush, 4 Rows, $\frac{3}{4}$ inch Wire	per dozen, 6 75
No. 4	Square Brush, 5 Rows, $\frac{3}{4}$ inch Wire	per dozen, 7 50
No. 8	Round Brush, $\frac{3}{4}$ inch diameter, 4 inch Wire	per dozen, 6 75
No. 9	Round Brush, $\frac{3}{4}$ inch diameter, 4 inch Wire	per dozen, 7 00

The numbers 3, 4 and 8 are the sizes generally used. All our Brushes are made of the best Flat Steel Wire, and on the most approved principle. A special price given for large quantities.

STEAK BROILERS.



6 x 8 inch	per dozen, \$3 00
8 x 10 inch	per dozen, 3 50
10 x 12 inch	per dozen, 4 00
12 x 14 inch	per dozen, 5 00

HEAVY RIVETED STEAK BROILERS.

10 x 12 inch	per dozen, \$20 00
12 x 14 inch	per dozen, 22 00
14 x 16 inch	per dozen, 24 00
14 x 18 inch	per dozen, 26 00

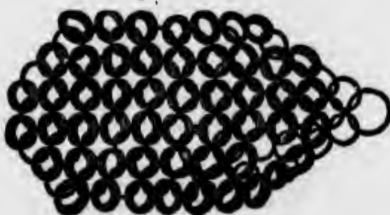
PLATE LIFTER.



Per dozen \$1 00

WIRE RING POT CLEANER.

Put up one dozen in a box.



THIS ABSOLUTELY INDISPENSABLE ARTICLE SHOULD BE IN EVERY KITCHEN.

No. 1 Regular Size
No. 2 Large

per dozen, \$1 00
per dozen, 1 25



CORK PULLER.

Per dozen

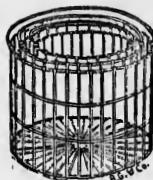
\$1 25

Per dozen



POTATO MASHER.

\$1 00



VEGETABLE BOILERS.

5, 6 and 7 inch in Nest.

Tinned

Twisted

per dozen, \$3 00

per dozen, 2 75



STEEL WIRE CARPET WHIPS.

LARGE SIZE.

Price

per dozen, \$3 00

SMALL SIZE.

Price

per dozen, \$2 75

A most useful article for beating and cleaning
Carpets, Rugs, Mats, etc.



COAT HANGER.

Per dozen

\$1 50

Made of Coppered Wire. Will fit any Coat and
keep it in perfect shape

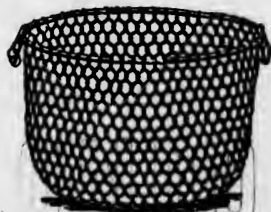
TOASTING FORKS.

- No. 1 Three-Prong
No. 2 Four-Prong
No. 3 Swinging

Iron.
per dozen, \$0 75
per dozen, 80
per dozen, 1 20

Tinned.
\$0 90
95
1 35

WIRE BASKETS.



- No. 00 To hold 1 peck
No. 0 To hold 1/2 bushel
No. 1 To hold 60 pounds, or about 1/2 bushel
No. 2 To hold 90 pounds, or about 3/4 bushels
No. 3 To hold 120 pounds, or about 2 bushels

each, \$1 25
each, 1 75
each, 2 50
each, 3 00
each, 3 50

These Baskets are made of Galvanized Wire which does not rust. Are used by farmers for potatoes and various other purposes, also used by fish dealers. The wires are firmly twisted and united together, and the Basket is very strong and durable.

FLY TRAPS



GLOBE FLY TRAP

Packed in boxes of one dozen each.

Per dozen . . . \$



CHAMPION FLY TRAP

Packed in boxes of one dozen each.

Per dozen . . . \$

CORN POPPERS



SQUARE POPPER.

Square, Round Cornered Corn Popper, Screw Wood Handle
Round Corn Popper, Screw Wood Handle



ROUND POPPER.

per dozen, \$
per dozen,

ROUND DISH COVERS



Round, Blue or Plated. 6, 7, 8, 9 and 10 Inch.

Round, Blue, Set of five per set,
Round, Plated, Set of five per set,

DISH DRAINER



DISH DRAINER.

No. 1 Size 16 x 20 inches per dozen, **\$15 00**
No. 2 Size 18 x 24 inches per dozen, **18 00**

WIRE MEAT STAND



WIRE MEAT STAND.

No. 1 Size 6 x 9½ per dozen, **\$2 50**
No. 2 Size 7 x 11 per dozen, **3 00**

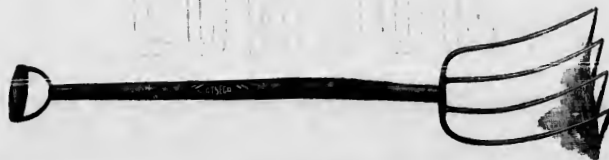
This is intended to hold a joint while roasting, and allows potatoes or pudding to be baked at the same time under the joint.

OTSEGO MANURE FORKS

MADE OF BEST CRUCIBLE STEEL. SOLID SHANK. BLUE AND GOLD FINISH.

IRON, D HANDLE, POLISHED.

LONG HANDLE, POLISHED.



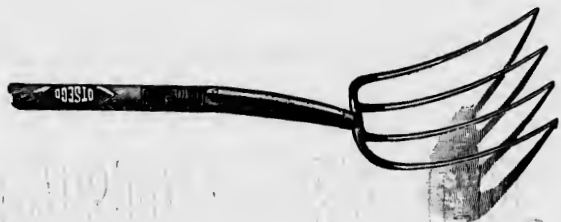
No. 1.



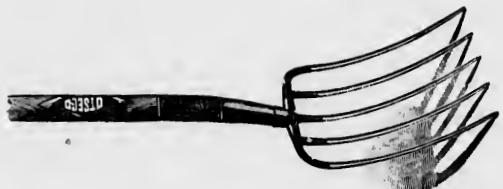
No. 10.



No. 13.



No. 4.



No. 11.



No. 16.

Standard length of Tines, 12 inches.

Standard Length of Tines, 12 inches.

	List Per Doz.	List Per Doz.
No. 1	812 50	812 50
No. 2	13 00	14 00
No. 3	20 50	19 50
No. 4	22 00	21 00
No. 10	23 50	22 50
No. 13	25 00	24 00
No. 14		
Oval, 4 Tine, D Handle, Plain Capped Ferrule		
Oval, 4 Tine, D Handle, Strapped and Capped Ferrule		
Oval, 5 Tine, D Handle, Plain Capped Ferrule		
Oval, 5 Tine, D Handle, Strapped and Capped Ferrule		
Oval, 6 Tine, D Handle, Plain Capped Ferrule		
Oval, 6 Tine, D Handle, Strapped and Capped Ferrule		

OTSEGO HAY FORKS

MADE OF BEST CRUCIBLE STEEL. BLUE AND GOLD FINISH.

Standard Length of Tines 12 inches, Full Polished.



No. 35.



No. 36.



No. 300.



No. 400.



No. 39.



No. 43.

No.	List	Per Doz.
No. 35	Oval, 3 Tine, Plain Capped Ferrule	\$ 9 00
No. 36	Oval, 3 Tine, Strapped and Cap Ferrule	9 50
No. 350	Oval, 3 Tine, Bent Handles, Plain Capped Ferrules	9 50
No. 359	Oval, 3 Tine, Bent Handles, Strapped and Capped Ferrule	11 00
No. 361	Oval, 3 Tine, Socket Ferrule	10 50
No. 0	Oval, 4 Tine, Bent Handles, Plain Capped Ferrule	12 50
No. 39	Oval, 2 Tine, Plain Capped Ferrule	
No. 40	Oval, 2 Tine, Boys' 8½ inch, Plain Capped Ferrule	
No. 43	Oval, 2 Tine, Bent Handle, Plain Capped Ferrule	
No. 390	Oval, 2 Tine, Bent Handle, Strapped and Capped Ferrule	
No. 400		
No. 43		
	Per Doz.	
	\$ 7 25	
	8 75	
	6 00	
	7 75	
	9 25	

A 1 XXTRA FORKS

THESE GOODS ARE MADE EXPRESSLY FOR OUR TRADE FROM THE BEST QUALITY OF CAST STEEL, EACH FORK BEING THOROUGHLY TESTED, AND IN POINT OF FINISH AHEAD OF ANY. HANDLES SELECTED FROM SECOND GROWTH WHITE ASH OF EXTRA LARGE GRAIN, OILED AND WAXED.

A 1 XXTRA MANURE FORKS

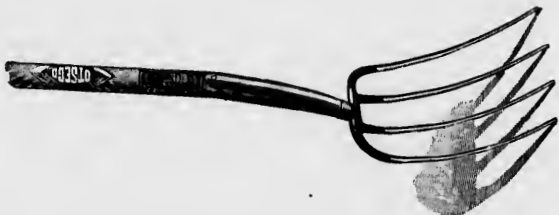
Solid Steel Shank, Improved Double Round End, Slotted Ferrules, Gold Bronze Finish.

A 1 XXTRA HAY FORKS

Every Fork tested, Handles selected from second growth White Ash and War Finished, Gold Bronze Finish.



No. 51.



No. 54.



No. 600.



No. 620.



No. 59.

- | | |
|--------|--|
| No. 51 | Oval, 4 Tine, D Handle, Plain Capped Ferrule |
| No. 52 | Oval, 4 Tine, D Handle, Strapped and Capped Ferrule |
| No. 53 | Oval, 4 Tine, Long Handle, Plain and Capped Ferrule |
| No. 54 | Oval, 4 Tine, Long Handle, Strapped and Capped Ferrule |

List
Per Dozen
\$15 00
16 50
14 00
15 50

- | | |
|---------|--|
| No. 59 | Oval, 3 Tine, Plain Capped Ferrule |
| No. 590 | Oval, 3 Tine, Plain Capped Ferrule, Bent Handle |
| No. 600 | Oval, 3 Tine, Strapped and Capped Ferrule, Bent Handle |
| No. 610 | Oval, 2 Tine, Plain Capped Ferrule |
| No. 620 | Oval, 2 Tine, Strapped and Capped Ferrule |
| No. 630 | Oval, 2 Tine, Plain Capped Ferrule, Bent Handle |
| No. 640 | Oval, 2 Tine, Strapped and Capped Ferrule, Bent Handle |

List
Per Dozen
\$10 50
11 00
12 50
9 75
8 75
10 25

FIELD HOES

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SIZES 7, 7½ AND 8 INCH WILL BE SENT UNLESS OTHERWISE ORDERED. ONE-THIRD EACH IN THE DOZEN.



HOBBS
No. 1

No. 1 Solid Shank, Full Polished, Capped Ferrule, Selected Handles

List
Per Dozen
\$8 00

Solid Socket Hoes.



No. 3.

No. 3 Socket, Full Polished Blades, Selected Handles

\$9 00



Ladies' Hoes.

HARDWARE CO.

No. 4.

No. 4 Solid Shank, Full Polished, Selected Handles

\$6 00

Mortar or Street Hoes.



No. 7.

ROUND END FERRULES, CAPPED, BLUE FINISH.

No. 6 Solid Shank, 10 inch, Polished Blade, 6 foot Handles

No. 7 Socket, 10 inch, Polished Blade, 6 foot Handles

No. 8 Solid Shank, 9 inch, Polished Blade, 5½ foot Handles

\$13 00

14 50

12 00

For Handles 6½ and 7 feet advance 75 cents per foot per dozen list.

WEEDING HOES AND RAKES

BLUE FINISH. ROUND END FERRULES.



No. 1.

1 Prong, Polished Cast Steel, Weed or Onion Hoe, **\$5 75**



No. 2.

2 Prong, Polished Cast Steel, Weed or Onion Hoe, **\$7 00**



No. 5 4 Teeth, Malleable Iron, Cast Steel Blade, Weed Hoe
No. 6 6 Teeth, Malleable Iron, Cast Steel Blade, Weed Hoe

per dozen, **\$5 00**
per dozen, **5 50**



No. 2.

Otsego Garden Rakes.

MALLEABLE IRON, WEB BRACED SHANK.

No. 00	8 Teeth, Malleable Iron	per dozen, \$5 00
No. 0	10 Teeth, Malleable Iron	per dozen, 5 50
No. 1	12 Teeth, Malleable Iron	per dozen, 6 00
No. 2	14 Teeth, Malleable Iron	per dozen, 6 50

Otsego Cast Steel.

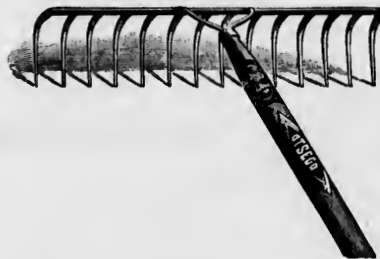


POLISHED TAPER HEAD, GOOSE NECK SHANK

BLUE FINISH.

		Per Dozen
No. 3	10 Teeth, Cast Steel, Capped Ferrules,	\$ 9 00
No. 4	12 Teeth, Cast Steel, Capped Ferrules,	10 00
No. 5	14 Teeth, Cast Steel, Capped Ferrules,	11 00

Braced Shank, Curved Teeth.



		List Per Dozen
No. 7	10 Teeth, Cast Steel, Polished, Braced Shank	\$10 50
No. 8	12 Teeth, Cast Steel, Polished, Braced Shank	11 50
No. 9	14 Teeth, Cast Steel, Polished, Braced Shank	12 50
No. 10	16 Teeth, Cast Steel, Polished, Braced Shank	13 50

OTSEGO POTATO HOOKS

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CAPPED FERRULES.

MADE FROM ONE PIECE BEST CRUCIBLE STEEL.



No. 2.

No. 1 Round, 4 Tine, Cast Steel, Bent Tines
No. 2 Flat, 4 Tine, Cast Steel, Bent Tines

List
Per Dozen
\$7 50
8 50



No. 4.

No. 4 Bayonet Back, 4 Tine, Cast Steel, Bent Tines

\$9 50

OTSEGO MANURE HOOKS



No. 6.

MADE FROM ONE SOLID PIECE OF BEST CRUCIBLE STEEL.

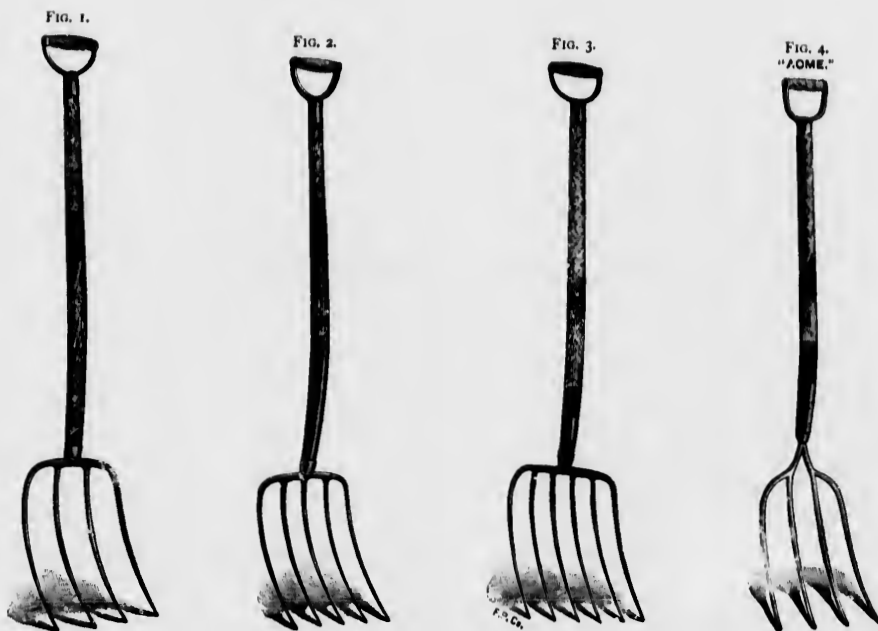
No. 6 Oval, 4 Tine, Capped, Round End, Ferrules

\$10 00

"WELLAND VALE"

MANURE FORKS

MADE OF BEST CAST STEEL. SOLID STEEL SHANKS.



D HANDLES.

	List Per Dozen
4 Tine, Oval, D Handle, Capped Ferrule (Fig. 1)	\$11 50
4 Tine, Oval, D Handle, Strapped and Capped Ferrule	13 00
5 Tine, Oval, D Handle, Capped Ferrule	15 00
5 Tine, Oval, D Handle, Strapped and Capped Ferrule (Fig. 2)	16 50
6 Tine, Oval, D Handle, Capped Ferrule (Fig. 3)	17 00
6 Tine, Oval, D Handle, Strapped and Capped Ferrule	18 50
4 Tine, "Acme," Double Shank, D Handle, Capped Ferrule (Fig. 4)	12 50
4 Tine, "Acme," Double Shank, D Handle, Strapped and Capped Ferrule	14 00

MANURE FORKS

MADE OF BEST CAST STEEL. SOLID STEEL SHANKS.

FIG. 5.



FIG. 6.



FIG. 7.



LONG HANDLES.

- | | |
|---|--|
| 4 Tine, Oval, Long Handle, Capped Ferrule | |
| 4 Tine, Oval, Long Handle, Strapped and Capped Ferrule (Fig. 5) | |
| 5 Tine, Oval, Long Handle, Capped Ferrule (Fig. 6) | |
| 5 Tine, Oval, Long Handle, Strapped and Capped Ferrule | |
| 6 Tine, Oval, Long Handle, Capped Ferrule | |
| 6 Tine, Oval, Long Handle, Strapped and Capped Ferrule (Fig. 7) | |
| 4 Tine, "Acme," Double Shank, Long Handles, Capped Ferrule | |
| 4 Tine, "Acme," Double Shank, Long Handles, Strapped and Capped Ferrule | |

List Per Dozen
\$10 50
12 00
14 00
15 50
16 00
17 50
11 50
13 00

“WELLAND VALE”

HAY FORKS

MADE OF BEST CAST STEEL. SOLID STEEL SHANKS.

FIG. 8.



FIG. 9.



FIG. 10.



FIG. 11.



	List Per Dozen
2 Tine, Cast Steel, Boys' Forks	\$5 50
2 Tine, Oval, Capped Ferrule	6 00
2 Tine, Oval, Capped Ferrule, Bent Handle	6 50
2 Tine, Oval, Capped Ferrule, 14 inch Tines	7 50
2 Tine, Oval, Strapped and Capped Ferrule	7 25
2 Tine, Oval, Strapped and Capped Ferrule, Bent Handle (Fig. 8)	7 75
2 Tine, Oval, Socket	7 25
3 Tine, Oval, Capped Ferrule (Fig. 9)	7 50
3 Tine, Oval, Capped Ferrule, Bent Handle	8 00
3 Tine, Oval, Capped Ferrule, 14 inch Tines	9 00
3 Tine, Oval, Strapped and Capped Ferrule (Fig. 10)	8 75
3 Tine, Oval, Strapped and Capped Ferrule, Bent Handles (Fig. 11)	9 25
3 Tine, Oval, Socket	8 75

"WELLAND VALE"

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STRAW, HEADER AND BARLEY FORKS

MADE OF BEST CAST STEEL. SOLID STEEL SHANKS.

FIG. 12.



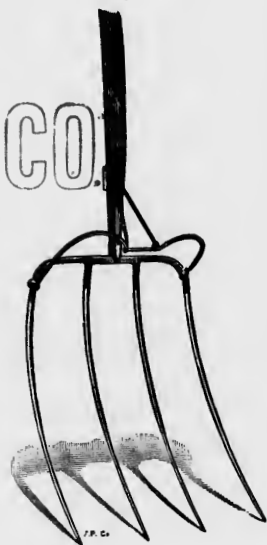
FIG. 13.



FIG. 14.



FIG. 15.



- 4 Tine, Oval, Hay Forks, 12 inch Tine, Capped Ferrule, Bent Handle (Fig. 12) - - - - -
 3 Tine, Oval, Straw Forks, 14 inch Tine, Capped Ferrule - - - - -
 4 Tine, Oval, Straw Forks, 16 inch Tine, Capped Ferrule (Fig. 13) - - - - -
 3 Tine, Oval, Barley Forks, 16 inch Tine, Capped Ferrule (Fig. 14) - - - - -
 4 Tine, Oval, Barley Forks, 20 inch Tine, Capped Ferrule - - - - -
 4 Tine, Oval, Barley Forks, 20 inch Tine, with Moveable Backs (Fig. 15) - - - - -

List
Per Dozen
\$11 00
9 50
12 50
11 00
13 50
15 50

“WELLAND VALE”

COKE, COAL AND TANNERS’ FORKS.

SPADING AND POTATO FORKS.

FIG. 16.



FIG. 17.



FIG. 18.



FIG. 19.



	List Per Dozen
8 Tine, Coke, Coal and Tanners' Forks, Strapped and Capped Ferrule (Fig. 17)	\$80 00
10 Tine, Coke, Coal and Tanners' Forks, Strapped and Capped Ferrule	88 00
12 Tine, Coke, Coal and Tanners' Forks, Strapped and Capped Ferrule (Fig. 16)	86 00
4 Tine, Spading Forks, D Handle, Capped Ferrule (Fig. 18)	14 25
4 Tine, Spading Forks, D Handle, Strapped and Capped Ferrule	15 75
4 Tine, Spading Forks, Long Handle, Capped Ferrule	13 50
4 Tine, Spading Forks, Long Handle, Strapped and Capped Ferrule	15 00
4 Tine, Potato Forks, Long Handle, Capped Ferrule (Fig. 19)	10 50
4 Tine, Potato Forks, D Handle, Capped Ferrule	11 50

"WELLAND VALE"

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POTATO HOOKS AND MANURE DRAGS



4 Tine, Potato Hooks, Diamond Back, Solid Steel Shank

per dozen, \$9 50



4 Tine, Potato Hooks, Round, Solid Steel Shank

per dozen, \$7 50



4 Tine, Potato Hooks, Flat, Solid Steel Shank

per dozen, \$9 50



6 Tine, Manure Drags, Solid Steel Shank

per dozen, \$13 00



4 Tine, Manure Drags, Solid Steel Shank
5 Tine, Manure Drags, Solid Steel Shank

per dozen, \$9 50
per dozen, 11 00

"WELLAND VALE" WEEDING HOE AND RAKE



Cast Steel, Solid Neck, 4 Tooth Weeding Hoes

per dozen, \$7 00

Solid Neck Ladies' Hoes.



Cast Steel, Solid Neck Ladies' Hoes, 4 inch Blade

per dozen, \$5 50

Cast Steel, Solid Neck Garden Hoes, 6 inch Blade

per dozen, 6 00

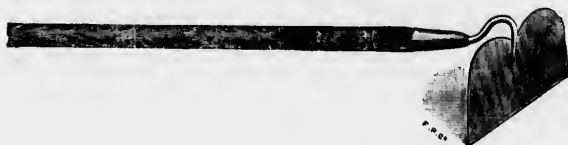
"Dominion" Cultivator Hoes.



Cast Steel, Solid Neck Field Hoes, "Dominion" Cultivator

per dozen, \$7 00

Solid Neck Field Hoes.



Cast Steel, Solid Neck Field Hoes

per dozen, \$6 25

Socket Field Hoes.



Cast Steel Socket Field Hoes, Hammer Finish

per dozen, \$7 25

"WELLAND VALE"

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SOLID NECK TURNIP HOES



Cast Steel, Solid Neck, Turnip Hoes assorted, 8 to 10 inch Blade

per dozen, \$6 50

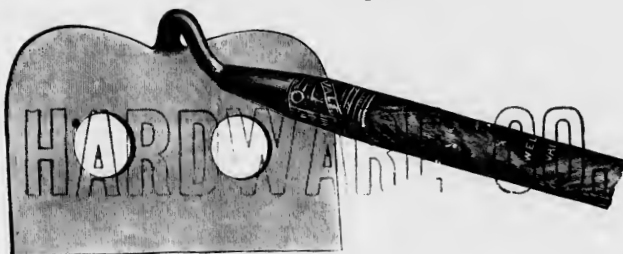
Solid Neck Mortar Hoes.



Cast Steel, Solid Neck, Mortar Hoes

per dozen, \$9 00

Mortar Hoes (Improved).



Cast Steel Mortar Hoes (improved)

per dozen, \$10 00

Solid Neck Dutch Hoes.



Cast Steel, Solid Neck, Dutch Hoes

per dozen, \$7 00

Solid Neck Carrot Hoes.

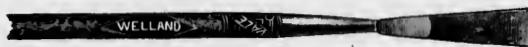


Cast Steel, Solid Neck, Carrot Hoes

per dozen, \$5 75

“WELLAND VALE”

SOLID NECK WEED CUTTERS

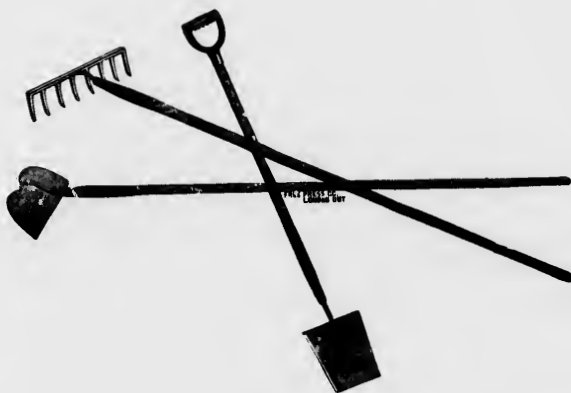


Cast Steel, Solid Neck, Weed Cutter

per dozen, \$4 50

GARDEN TOOLS.

IN SETS.



Garden Tools—1 each, Hoe, Rake and Spade, to Set

per set, \$2 20

VEGETABLE SCOOPS.



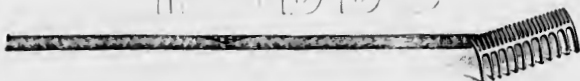
10 Prong Cast Steel Vegetable Scoops, D Handle

per dozen, \$20 00

"WELLAND VALE"

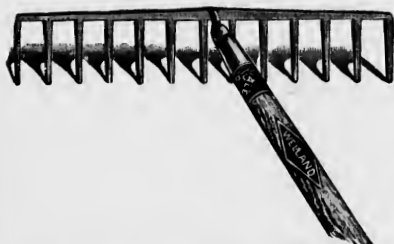
GARDEN RAKES

JONES' PATENT REVERSIBLE GARDEN RAKE.



Jones' Patent Reversible, Malleable Iron, Garden Rakes

per dozen, \$8 00

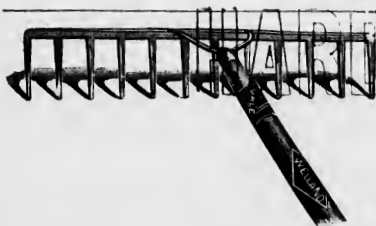


GARDEN RAKE.

MALLEABLE IRON

Malleable Iron, 13 Tooth

per dozen, \$6 50



GARDEN RAKE.

PATENT BRACED HEAD.

Malleable Iron, 12 Tooth

per dozen, \$6 50

EXCELSIOR
PATENT SOLID STEEL BRACED HEAD
GARDEN RAKE.



MADE EXCLUSIVELY BY THE

WELLAND VALE MANUFACTURING CO.

ST. CATHARINES, ONT.

Pat. 10th March, 1882.

Excelsior, 10 Tooth, Patent, Solid Steel, Braced Head
Excelsior, 12 Tooth, Patent, Solid Steel, Braced Head
Excelsior, 14 Tooth, Patent, Solid Steel, Braced Head
Excelsior, 16 Tooth, Patent, Solid Steel, Braced Head
Excelsior, Assorted, Patent, Solid Steel, Braced Head

per dozen, \$ 8 50
per dozen, 9 50
per dozen, 10 50
per dozen, 11 50
per dozen, 9 50

HAY KNIVES

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SPEAR POINT



HEATH PATENT.



LIGHTNING.

Spear Point, T Handle
Spear Point, I. Handle
Heath Patent Hay Knives
Improved Lightning, Solid Steel

per dozen, \$16 00
per dozen, 16 00
per dozen, 18 00
per dozen, 23 00

BORDER KNIVES OR TURF EDGERS



Cast Steel, Solid Neck Turf Edgers, with Handles

per dozen, \$12 00

BORDER KNIFE

SOCKET.



KNAPP & COWLES

NINE INCH BLADE.

No. 1 Border Knives

per dozen, \$9 00

EMERY KNIFE SHARPENERS

COOK'S FRIEND.



COOK'S FRIEND—Emery Knife Sharpeners, Wire Centre

per dozen, \$

SOLID EMERY

SCYTHE SHARPENERS.



MOWER'S FRIEND.



SCYTHE SHARPENERS—Solid Emery
MOWER'S FRIEND—Emery

per dozen, \$
per dozen,

SCYTHE STONES



INDIAN POND—No. 2 (Red End)

per gross, \$

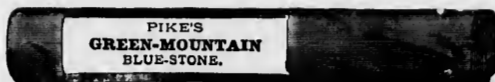
Packed in $\frac{1}{4}$ and $\frac{1}{2}$ gross packages.



BLACK DIAMOND

per gross, \$

Packed in $\frac{1}{4}$ gross slide-cover boxes.



GREEN MOUNTAIN—Best

per gross, \$

Packed in $\frac{1}{4}$ gross boxes.



MOWING MACHINE STONE—No. 1

per gross, \$

Packed in $\frac{1}{4}$ gross boxes.

SCYTHE STONES

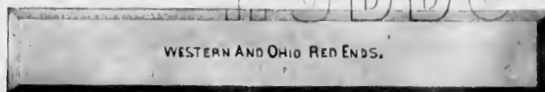
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LAKE HURON—Flat Stone, Square Edges, $9\frac{1}{2}$ inches long

Packed in $\frac{1}{4}$ gross boxes.

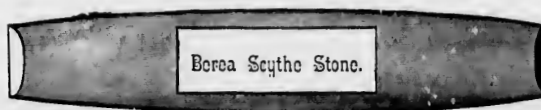
per gross, \$



WESTERN RED ENDS—Flat Stone, Round Edges, $9\frac{1}{2}$ inches long

Packed in $\frac{1}{4}$ gross boxes.

per gross, \$



BEREA—Half Oval Sides, Flat Edges, Tapers both ways from centres, Smooth Finish

Packed in $\frac{1}{4}$ gross boxes.

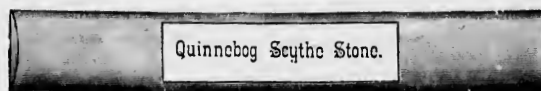
per gross, \$



CLEAR GRIT—Full Oval Shape, Sand Bed Finish

Packed in $\frac{1}{4}$ gross boxes.

per gross, \$



QUINNEBOG—Full Oval Shape, $9\frac{1}{4}$ inches long, Medium Grit

Packed in $\frac{1}{4}$ gross boxes

per gross, \$



TIGER CROWN—Octagon, 10 inches long, Fine Grit

Packed in $\frac{1}{4}$ gross boxes.

per gross, \$

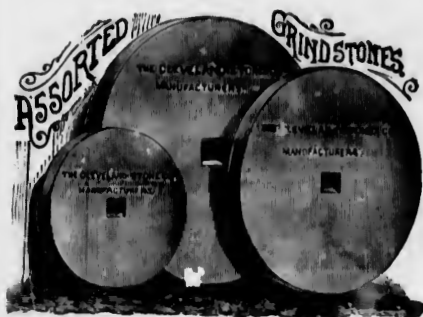


ENGLISH ROUND—Smooth Grit, 12 inches long

Packed 25 in a box.

per 100, \$

GRINDSTONES



Lake Huron, 20 to 200 pounds per ton, \$
 " 200 pounds and larger per ton,
 Berea, 20 to 200 pounds per ton,
 " 200 pounds and larger per ton,

TABLE OF WEIGHTS OF GRINDSTONES.

Inches thickness	DIAMETER														
	2 feet 3 in.	2 feet 6 in.	3 feet 3 in.	3 feet 6 in.	3 feet 9 in.	3 feet 12 in.	4 feet 3 in.	4 feet 6 in.	4 feet 9 in.	4 feet 12 in.	5 feet 3 in.	5 feet 6 in.	5 feet 9 in.	5 feet 12 in.	6 feet 3 in.
2	73	92	110	130	143	173	207	247	290	338	392	448	515	585	660
2½	91	116	143	173	207	247	290	338	392	448	515	585	660	741	828
3	110	130	171	207	247	290	338	392	448	515	585	660	741	828	921
3½	128	164	200	242	288	338	392	448	515	585	660	741	828	921	1020
4	146	185	229	277	329	387	448	515	585	660	741	828	921	1020	1125
4½	164	207	257	311	369	432	498	567	639	714	792	873	957	1044	1143
5	182	230	285	343	405	472	543	618	696	777	861	948	1038	1131	1236
5½	200	253	313	376	442	513	588	667	750	836	925	1017	1112	1210	1320
6	218	275	340	408	481	558	639	724	813	905	1000	1098	1199	1303	1420
6½	236	298	368	441	519	602	690	783	880	979	1081	1186	1293	1403	1524
7	254	321	396	475	558	646	740	839	942	1048	1156	1266	1378	1493	1620



THE SAMSON

MOUNTED GRINDSTONE

Mounted with specially selected Stone.

The "Samson" is one of the strongest and most showy Square Frames ever made. It stands absolutely solid, and, being strongly braced and bolted, will not give way, however harsh the usage.

- No. 1 Stone Weighs 100 to 110 lbs., per dozen, \$
 No. 2 Stone Weighs 70 to 80 lbs., per dozen,
 No. 3 Stone Weighs 40 to 50 lbs., per dozen,

FAMILY GRINDSTONES

JAPANNED BLACK.

PACKED HALF DOZEN IN A BOX.

- No. 1 Kitchen Grindstone, Diameter of Stone 6 inches, per dozen, \$
 No. 2 Kitchen Grindstone, Diameter of Stone 7 inches, per dozen,
 No. 3 Kitchen Grindstone, Diameter of Stone 8 inches, per dozen,



HANDLES

795

WHITE ASH FORK HANDLES



4 feet	per dozen,	No. 2,	No. 1,	EXTRA.
4½ feet	per dozen,	50	70	95
5 feet	per dozen,	60	80	1 10
5½ feet	per dozen,	70	95	1 25
6 feet	per dozen,	85	1 10	1 40
	per dozen,	1 00	1 25	1 60
Extra Bent	per dozen,	4½ \$1 35	5 1 50	5½ 1 70
Extra Barley, C. & B, and Bent	per dozen,	5 \$1 60	5½ 1 80	6 FT. 2 10
Garden Rake	per dozen,	5 \$0 90	5½ 1 00	6 FT. 1 10
Hoe Handles	per dozen,	Short, \$0 60	Short, C. & B. and Bent, 1 00	Long, C. & B. and Bent, 1 35
Manure Fork Handles	per dozen,			
Long Shovel and Spade Handles	per dozen,		4½ FT. \$1 20	4½ FT., BENT. 1 60
Chuckling and Boring	per dozen, net, 10c.			
Ferruling	per dozen net, 60c.			

MALLEABLE IRON D TOP HANDLES



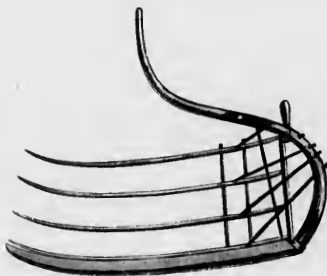
Malleable Iron Top Manure Fork Handles, Bent C. & B.	per dozen, \$2 60
Malleable Iron Shovel and Spade Handles, Bent C. & B.	per dozen, 2 60
Malleable Iron D Tops, without Handles	per dozen, 1 60

FERRULES

Hoe and Rake Ferrules	per dozen, \$
Hay Fork Ferrules	per dozen,
Manure Fork Ferrules	per dozen,

GRAIN CRADLES

MANUFACTURED BY THE STRATHROY MANUFACTURING COMPANY.



FULL MULLEY.

Per Dozen.

Full Mulley Cradles, without Scythes, Wooden Braces.....	\$16 00
Full Mulley Cradles, with Scythes, complete, Wooden Braces.....	30 00
Full Mulley Cradles, without Scythes, Iron Braces.....	18 00
Full Mulley Cradles, with Scythes, complete, Iron Braces....	32 00



IMPROVED MULLEY.

Per Dozen.

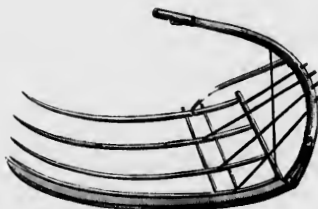
Improved Mulley Cradles, without Scythes, Wooden Braces.....	\$16 00
Improved Mulley Cradles, with Scythes, complete ".....	30 00
Improved Mulley Cradles, without Scythes, Iron Braces.....	18 00
Improved Mulley Cradles, with Scythes, complete ".....	32 00



HALF MULLEY.

Per Dozen.

Half Mulley Cradles, without Scythes, Wooden Braces.....	\$16 00
Half Mulley Cradles, with Scythes complete, Wooden Braces.....	30 00
Half Mulley Cradles, without Scythes, Iron Braces.....	18 00
Half Mulley Cradles, with Scythes complete, Iron Braces....	32 00



FRENCH MULLEY.

Per Dozen.

French Mulley Cradles, without Scythes, Wooden Braces....	\$16 00
French Mulley Cradles, with Scythes complete ".....	30 00
French Mulley Cradles, without Scythes, Iron Braces.....	18 00
French Mulley Cradles, with Scythes complete, Iron Braces ..	32 00



MORGAN.

Per Dozen.

Morgan Cradles, without Scythes, Wooden Braces	\$16 00
Morgan Cradles, with Scythes complete.....	30 00
Morgan Cradles, without Scythes, Iron Braces	18 00
Morgan Cradles, with Scythes complete, Iron Braces.....	32 00



TURKEY WING.

Per Dozen.

Turkey Wing Cradles, without Scythes, Wooden Braces.....	\$16 00
Turkey Wing Cradles, with Scythes complete, Wooden Braces ..	30 00
Turkey Wing Cradles, without Scythes, Iron Braces.....	18 00
Turkey Wing Cradles, with Scythes complete, Iron Braces ..	32 00

TELEPHONE.

Per Dozen.

Telephone Cradles, 2 Nibs, without Scythes, Wooden Braces.....	\$16 00
Telephone Cradles, 2 Nibs, with Scythes complete	30 00

Per Dozen.

Telephone Cradles, 2 Nibs, without Scythes, Iron Braces.....	\$18 00
Telephone Cradles, 2 Nibs, with Scythes complete	32 00

SCYTHE SNATHES

797

MANUFACTURED BY THE STRATHROY MANUFACTURING COMPANY.



No. 3	Scythe Snathes, Ring and Wedge Fastening	Per Dozen
No. 2	Scythe Snathes, Ring and Wedge Fastening	\$6 00
No. 1	Scythe Snathes, Ring and Wedge Fastening	7 00
No. 0	Scythe Snathes, Ring and Set Screw Fastening	8 00
	Double Ring Brush	8 50
		9 00

Best grades are Mirror Polished. Half dozen in a package.



No. 3	Scythe Snathes, Loop Bolt Fastening	Per Dozen
No. 2	Scythe Snathes, Loop Bolt Fastening	\$7 00
No. 1	Scythe Snathes, Loop Bolt Fastening	8 00
		9 00

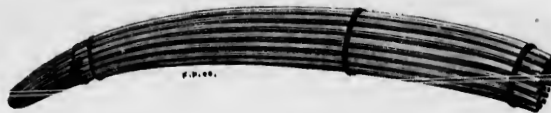
Best grades are Mirror Polished.



No. 00	Scythe Snathes, Patent Slide Socket, Mirror Polished	Per Dozen
		\$9 50

Half dozen in a package.

CRADLE FINGERS



Cradle Fingers, Dressed

Per Dozen
\$1 50

SCYTHES

GRASS.



"Honest Dutchman"—Wide Heel. Black, Bronzed Web and Back, Green Mounted, Polished Bead, Point and Edge per dozen, **\$13 00**



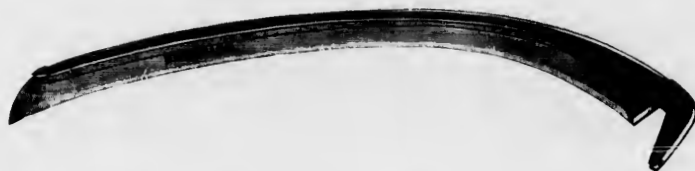
"Dutchman's Pride"—Wide Heel Green Heel, Web and Back, Polished Edge and Point, per dozen, **\$12 50**



"Dutch Clipper"—Wide Heel. Bronzed, Bronzed Heel and Back, Polished Web and Bead per dozen, **\$14 50**



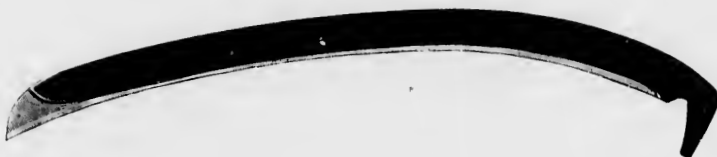
"Granger"—Narrow Heel, Green Heel, Web and Back, Polished Edge and Point per dozen, **\$12 00**



"Excelsior"—Wide Heel, Bronzed, Solid Steel, Polished Web and Bead, Full Polished Back per dozen, **\$17 00**

SCYTHES

GRASS.



"Young American"—Narrow Heel, Bronzed Heel, Web and Back, Polish Edge and Point,

per dozen, \$12 00



"Silver Clipper"—Narrow Heel, Bronzed Heel and Back, Polished Web
In bundles of half and one dozen assorted lengths.

per dozen, \$13 00

GRAIN SCYTHES.



"Harvest King"—Bronzed Heel and Back, Polished Web

per dozen, \$16 00

"Cast Steel"—Painted, Polished Edge and Point

per dozen, 15 00

In bundles of half dozen, assorted lengths, ground sharp.

BUSH SCYTHES.



"Bush"—Green Web, Heel and Back, Polished Edge and Point, lengths from 20 to 24 inches,

per dozen, \$12 00



GRASS HOOKS

Nos.
Per dozen.

\$

2

3

4



CORN HOOKS.

Bright Steel Blade.

No. 1

per dozen, \$

CORN KNIVES.

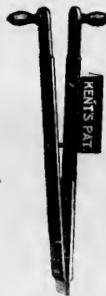


Corn Knives, 18 inch, Painted Red

per dozen, \$

CORN PLANTER.

THE TRIUMPH.



For a cheap and durable Planter this excels all other two-hand ones for ease of working and correct dropping. The points are good steel plates, the slide or dropper being malleable iron. The seed passes down through a sheet iron tube. They work equally well on sod or old ground.

Price

per dozen, \$15 00

PHILADELPHIA LAWN MOWERS

801

RUSSEL'S STYLE M.



CLOSED CYLINDER.

10 inch, Silent Ratchet, Weight 26 lbs.	\$5 00 Net
12 inch, Silent Ratchet, Weight 29 lbs.	5 25 Net
14 inch, Silent Ratchet, Weight 36 lbs.	5 50 Net
16 inch, Silent Ratchet, Weight 38 lbs.	6 00 Net
18 inch, Silent Ratchet, Weight 42 lbs.	6 50 Net

RUSSEL'S STYLE H.

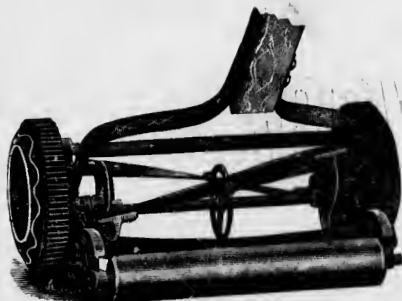


OPEN CYLINDER.

10 inch, Silent Ratchet, Weight 26 lbs.	\$5 25 Net
12 inch, Silent Ratchet, Weight 29 lbs.	5 50 Net
14 inch, Silent Ratchet, Weight 36 lbs.	5 75 Net
16 inch, Silent Ratchet, Weight 38 lbs.	6 25 Net
18 inch, Silent Ratchet, Weight 42 lbs.	6 75 Net

DIAMETER OF DRIVING WHEELS 7 INCHES.

These are the Machines for general purposes. They have a three-bladed solid wiper; all blades secured by bolts; patent, self-locking pawls that cannot slip; the adjusting screws of both the stationary knife and wiper boxes are exposed; the knives sharpen themselves while cutting; the cut grass is all discharged in the rear of the machine, and as they will cut close up to trees, etc., the grass hook is seldom wanted. We warrant them to run easier, to be as durable, and to be capable of cutting as high grass as any lawn mower made, no matter how big wheels it has, or how heavy it may be or run.



THE PHILADELPHIA JR IMPROVED LAWN MOWER

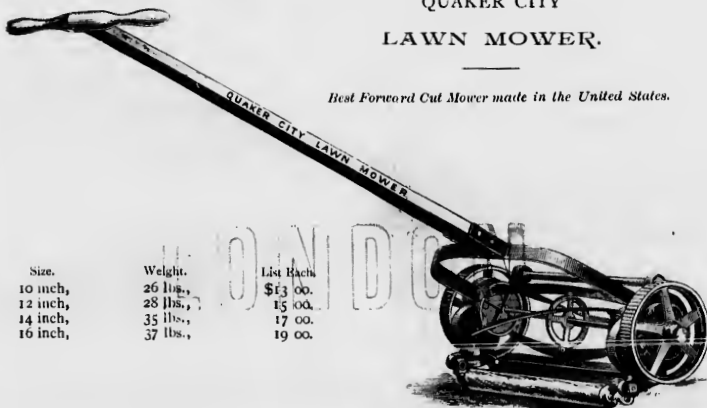
With Light Open Cylinder. Easy Running.

Being made from the finest quality of Cast Steel and Malleable Iron, it is from 11 to 13 lbs. lighter than other Mowers of the same size. It is well finished, and, without exception, the strongest and easiest running Machine in the market.

12 inch, Open Cylinder	each, \$
14 inch, Open Cylinder	each,
16 inch, Open Cylinder	each,
18 inch, Open Cylinder	each,

QUAKER CITY LAWN MOWER.

Best Forward Cut Mower made in the United States.



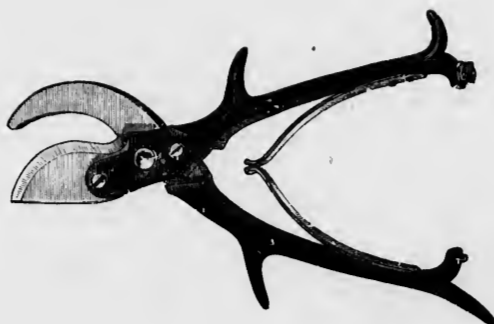
Size.	Weight.	List Each
10 inch,	26 lbs.,	\$13 00.
12 inch,	28 lbs.,	15 00.
14 inch,	35 lbs.,	17 00.
16 inch,	37 lbs.,	19 00.

PRUNING SHEARS



No. 1 Grangers' Pruning Shears

per dozen, \$

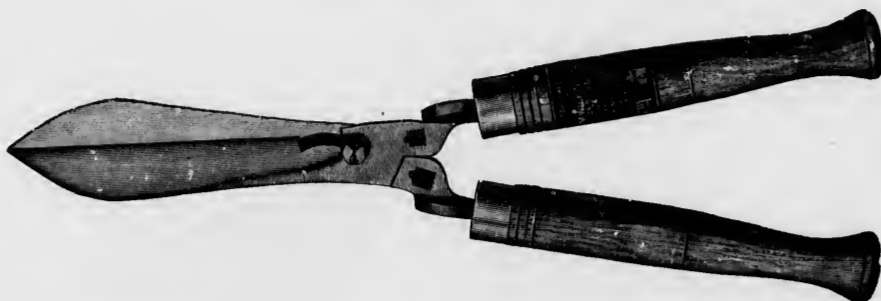


TAYLOR PATTERN PRUNING SHEARS.

No. 7 With Smith's Graduated Spring

per dozen, \$

HEDGE SHEARS



No. 101. Hedge Shears

inch, 8
Per pair, \$

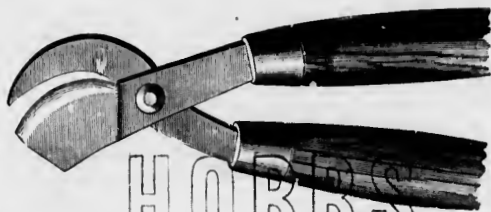
9

10

12

ROCHDALE PRUNERS

803



Rochdale Pruners, 27 inches long

per dozen, \$

WATERS' TREE PRUNERS

LONG HANDLES.



No 1 6 foot Handles
No. 1 8 foot Handles
No. 1 10 foot Handles

per dozen, \$
per dozen,
per dozen,

POST HOLE AUGERS

VAUGHAN'S.

IWAN'S PATENT.



HARDWARE CO.



LONDON

Inch,
Per dozen,

\$

6

7

8

9

Inch,
er dozen,

\$

7

8

9

IWAN'S PATENT.

SPOONS

FOR DIGGING OUT POST HOLES.



Post Hole Spoons, Cast Steel, length of Handle 6 feet

per dozen, \$11 00

SNOW SHOVELS

WOOD, IRON TIPPED.



Wood Snow Shovels, Iron Tipped, assorted widths, 12, 13 and 14 inch

per dozen, \$

STEEL SNOW SHOVELS



Steel Snow Shovels

per dozen, \$

HORSE POKES



CLIMAX.



DICTATOR.



CHAMPION.

Climax

Dictator, assorted sizes, 16, 17 and 18 inch

Champion, assorted sizes, 16, 17 and 18 inch

per dozen, \$

per dozen, \$

per dozen,

SHOVELS

JONES', BURNS', GRAY'S AND OLD'S.

PATENT PLAIN BACK, SOLID CAST STEEL.



No. 20	Jones' D Handle Square Point Shovels, No. 2, Polished	per dozen, \$18 50
No. 21	" " " " No. 3, " "	per dozen, 17 25
No. 22	" " " " No. 4, " "	per dozen, 18 50
No. 23	" " " " No. 6, " "	per dozen, 19 00
No. 24	" " " " Charcoal, No. 8, " "	per dozen, 22 00
No. 33	" " Square Point Railroad, extra heavy, No. 2, Black	per dozen, 15 50
No. 37	Burns' D Handle Square Point Shovels, No. 2, Polished	per dozen, 15 00
No. 38	" " " " No. 3, " "	per dozen, 16 00
No. 47	Gray's " " " " No. 2, " "	per dozen, 13 00
No. 48	" " " " No. 3, " "	per dozen, 14 00
No. 55	O'd's " " " " No. 2, " "	per dozen, 10 50

JONES', BURNS', GRAY'S AND OLD'S—PATENT PLAIN BACK, SOLID CAST STEEL.



No. 25	Jones' D Handle Round Point Shovels, No. 3, Polished	per dozen, \$17 25
No. 34	Jones' " " " " Railroad, extra heavy, No. 3, Black	per dozen, 15 50
No. 39	Burns' " " " " Shovels, No. 3, Polished	per dozen, 16 00
No. 49	Gray's " " " " No. 3, " "	per dozen, 14 00
No. 56	Old's " " " " No. 3, " "	per dozen, 11 00

ELEY'S CAST STEEL RIVETED BACK STRAP SHOVELS.



No. 59	Eley's D Handle Square Point Shovels, No. 2, Polished	per dozen, \$11 00
No. 62	Eley's D Handle Round Point Shovels, No. 3, Polished	per dozen, 11 50

H. PENN'S BACK STRAP SHOVELS.



No. 67	D Handle Square Point Shovels, No. 2, Polished	per dozen, \$8 50
No. 68	D Handle Round Point Shovels, No. 2, Polished	per dozen, 8 50

SHOVELS

PATENT PLAIN BACK, SOLID CAST STEEL MOULDERS' SHOVELS.



No. 32	Jones' D Handle Square Point Moulders' Shovels, No. 2, Polished	per dozen, \$17 00
No. 43	Burns' D Handle Square Point Moulders' Shovels, No. 2, Polished	per dozen, 16 00

AMERICAN SHOVEL CO.'S

SOCKET SHOVELS, SOLID CAST STEEL.



D Handle Round Point Socket Shovels, Polished	per dozen, \$14 00
D Handle Square Point Socket Shovels, Polished	per dozen, 14 00
Long Handle Round Point Socket Shovels, Polished	per dozen, 14 00

JONES', BURNS', GRAY'S AND OLD'S

PATENT PLAIN BACK, SOLID CAST STEEL.



No. 26	Jones' Long Handle Round Point Shovels, No. 2, Polished	per dozen, \$16 50
No. 40	Burns' Long Handle Round Point Shovels, No. 2, Polished	per dozen, 15 00
No. 46	Burns' Long Handle Round Point Shovels, Furrow, Polished	per dozen, 15 00
No. 50	Gray's Long Handle Round Point Shovels, No. 2, Polished	per dozen, 13 00
No. 57	Old's Long Handle Round Point Shovels, No. 2, Polished	per dozen, 10 50
No. 057	Old's Long Handle Round Point Shovels, Furrow, Polished	per dozen, 10 50

JONES', BURNS', GRAY'S AND OLD'S

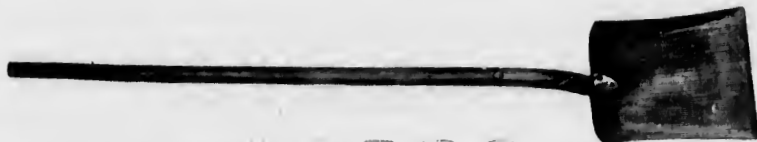
PATENT PLAIN BACK, SOLID CAST STEEL.



No. 27	Jones' Long Handle Square Point Shovels, No. 2, Polished	per dozen, \$16 50
No. 41	Burns' Long Handle Square Point Shovels, No. 2, Polished	per dozen, 15 00
No. 51	Gray's Long Handle Square Point Shovels, No. 2, Polished	per dozen, 13 00
No. 058	Old's Long Handle Square Point Shovels, No. 2, Polished	per dozen, 10 50

RIVETED BACK STRAP SHOVELS

807



No. 60	Ely's Long Handle Square Point Shovels, C. S., Polished	per dozen, \$11 00
No. 61	Ely's Long Handle Round Point Shovels, C. S., Polished	per dozen, 11 00
No. 69	Penn's Long Handle Round Point Shovels, Polished	per dozen, 8 50
No. 70	Penn's Long Handle Square Point Shovels, Polished	per dozen, 8 50

The above stamp "Ely" are perfect, well finished goods of cast steel

JONES', BURNS', GRAY'S AND OLD'S

PATENT PLAIN BACK SPADES



No. 28	Jones' D Handle Solid Cast Steel Spades, No. 2, Polished	per dozen, \$17 00
No. 29	Jones' D Handle Solid Cast Steel Spades, No. 3, Polished	per dozen, 18 00
No. 42	Burns' D Handle Solid Cast Steel Spades, No. 2, Polished	per dozen, 15 50
No. 43	Burns' D Handle Solid Cast Steel Spades, No. 3, Polished	per dozen, 16 50
No. 52	Gray's D Handle Solid Cast Steel Spades, No. 2, Polished	per dozen, 13 25
No. 53	Gray's D Handle Solid Cast Steel Spades, No. 3, Polished	per dozen, 14 25
No. 58	Old's D Handle Solid Cast Steel Spades, No. 2, Polished	per dozen, 11 00

RIVETED BACK STRAP SPADES



No. 63	Ely's D Handle Spade, C. S. S., No. 2, Polished,	per dozen, \$11 50
No. 71	Penn's D Handle Spade, No. 2, Polished	per dozen, 9 00

The above stamp "Ely" are perfect, well finished goods of cast steel

PATENT PLAIN BACK LONG HANDLE SPADES



No. 30	Jones' Long Handle Solid Cast Steel Spades, No. 2, Polished	per dozen, \$16 50
No. 44	Burn's Long Handle Solid Cast Steel Spades, No. 2, Polished	per dozen, 15 50
No. 54	Gray's Long Handle Solid Cast Steel Spades, No. 2, Polished	per dozen, 13 25
No. 58	Old's Long Handle Solid Cast Steel Spades, No. 2, Polished	per dozen, 11 00

RIVETED BACK STRAP L. H. SPADES.

No. 64	Ely's Long Handle Cast Steel Spades, No. 2, Polished	per dozen, \$11 50
No. 72	Penn's Long Handle Spades, No. 2, Polished	per dozen, 9 00

DITCHING AND DRAINING TOOLS

PATENT PLAIN BACK ROUND POINT DRAIN SPADES.



TAPERS FROM $5\frac{1}{2}$ INCHES AT SHOULDER TO $4\frac{1}{4}$ INCHES AT POINT.

No. 98	Jones' D Handle Draining Spades, 17 x $5\frac{1}{2}$ x $4\frac{1}{4}$ inches, Heavy, No. 2, Polished,	per dozen, \$19 50
No. 980	Mass Shovel Co.'s D Handle Draining Spades, 16 x $5\frac{1}{2}$ x $4\frac{1}{4}$ inches, Heavy, Polished,	per dozen, 19 50
No. 981	Mass Shovel Co.'s D Handle Draining Spades, 18 x $5\frac{1}{2}$ x $4\frac{1}{4}$ inches, Heavy, Polished,	per dozen, 19 50

PATENT PLAIN BACK DRAIN SPADES.



No. 100—Polished Drain Spade, No. 4, with Foot Tread.

TAPERS FROM $4\frac{1}{2}$ INCHES AT SHOULDER TO 3 INCHES AT POINT.

No. 99	Jones' D Handle Draining Spades, 17 x $4\frac{1}{2}$ x 3 inches, Heavy, No. 3, Polished,	per dozen, \$19 50
No. 100	Jones' D Handle Draining Spades, 18 x $4\frac{1}{2}$ x 3 inches, Heavy, No. 4, Polished,	per dozen, 19 50
No. 099	Mass Shovel Co.'s D Handle Draining Spades, 16 x $4\frac{1}{2}$ x 3 inches, Heavy, Polished,	per dozen, 19 50
No. 0100	Mass Shovel Co.'s D Handle Draining Spades, 18 x $4\frac{1}{2}$ x 3 inches, Heavy, Polished,	per dozen, 19 50

PATENT PLAIN BACK DITCHING SPADES.



TAPERS FROM $7\frac{1}{2}$ INCHES AT SHOULDER TO $5\frac{1}{2}$ INCHES AT POINT.

No. 101	Jones' D Handle, Ditching Spades, $15\frac{1}{2}$ x $7\frac{1}{2}$ x $5\frac{1}{2}$ inches, Flat, Polished	per dozen, \$19 50
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PATENT PLAIN BACK POST-HOLE SPADES.



TAPERS FROM 6 INCHES AT POINT TO $5\frac{1}{2}$ INCHES AT SHOULDER.

No. 102	Jones' D Handle Post-hole Spades, 15 x $5\frac{1}{2}$ x 6 inches, Concave, Polished	per dozen, \$19 50
No. 202	Mass Shovel Co.'s D Handle Post-hole Spades, 16 x $5\frac{1}{2}$ x 6 inches, Concave, Polished,	per dozen, 19 50
No. 302	Mass Shovel Co.'s D Handle Post-hole Spades, 18 x $5\frac{1}{2}$ x 6 inches, Concave, Polished,	per dozen, 19 50

PARKES' ENGLISH DRAIN SPADES.



APER FROM $5\frac{1}{4}$ INCHES AT SHOULDER TO $3\frac{1}{4}$ INCHES AT POINT.

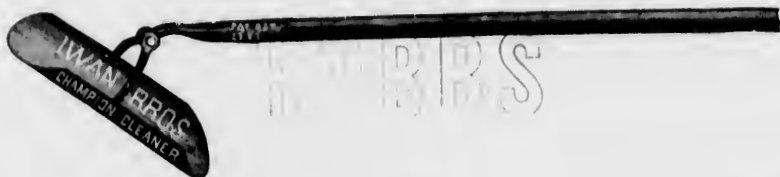
No. 503	Parkes' D Handle Drain Spades, 17 x $5\frac{1}{2}$ x $3\frac{1}{4}$ inches, Concave, Half Polished,	per dozen, \$
No. 508	Parkes' D Handle Drain Spades, 19 x $5\frac{1}{2}$ x $3\frac{1}{4}$ inches, Concave, Half Polished,	per dozen,

Foot Tread for Draining Spades, add to List, per dozen, \$3.00

DRAINING TOOLS

809

IWAN BROS'. "CHAMPION" ADJUSTABLE CLEANER.



No. $\frac{1}{2}$	"Champion" Drain Cleaners, 3 inch Polished	per dozen, \$
No. 1	"Champion" Drain Cleaners, 4 inch Polished	per dozen,
No. 2	"Champion" Drain Cleaners, 5 inch Polished	per dozen,

No. 91—SQUARE SOCKET CLEANER, TO PUSH.



No. 91	Jones' Cast Steel Square Drain Cleaner, to push, Black	per dozen, \$15 00
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No. 92—SQUARE SOCKET CLEANER, TO PULL.



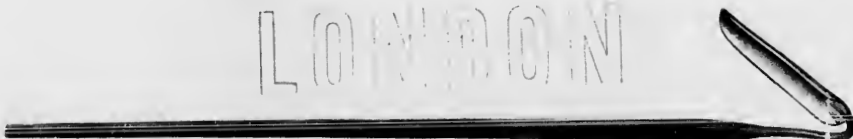
No. 92	Jones' Cast Steel Square Drain Cleaner, to Pull, Black	per dozen, \$15 00
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No. 89—CONCAVE SOCKET CLEANER, TO PUSH.



No. 89	Jones' Cast Steel Concave Drain Cleaner, to Push, Black	per dozen, \$15 00
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No. 90—CONCAVE SOCKET CLEANER, TO PULL.



No. 90	Jones' Cast Steel Concave Drain Cleaner, to Pull, Black	per dozen, \$15 00
No. 94	Jones' Drain Tile Layers	per dozen, \$12 00

SCOOP SHOVELS

JONES'

CAST STEEL, D HANDLE.



No. 74	Jones' Cast Steel, D Handle, No. 2, Polished	-	-	-	-	-	per dozen, \$14 50
No. 75	Jones' Cast Steel, D Handle, No. 4, Polished	-	-	-	-	-	per dozen, 15 50
No. 76	Jones' Cast Steel, D Handle, No. 6, Polished	-	-	-	-	-	per dozen, 17 50
No. 77	Jones' Cast Steel, D Handle, No. 8, Half Polished	-	-	-	-	-	per dozen, 20 00
No. 78	Jones' Cast Steel, D Handle, No. 10, Half Polished	-	-	-	-	-	per dozen, 22 50

WARD'S

BEST STEEL, D HANDLE.



No. 83	Ward's Best Steel, D Handle, No. 2, Polished	-	-	-	-	-	per dozen, \$13 00
No. 84	Ward's Best Steel, D Handle, No. 4, Polished	-	-	-	-	-	per dozen, 14 00
No. 85	Ward's Best Steel, D Handle, No. 6, Polished	-	-	-	-	-	per dozen, 15 50

LEED'S

STEEL, D HANDLE.



Half Polished.

No. 86	Leeds' Steel, D Handle, No. 2, Half Polished	-	-	-	-	-	per dozen, \$10 50
No. 87	Leeds' Steel, D Handle, No. 4, Half Polished	-	-	-	-	-	per dozen, 11 50

THE KILBOURNE & JACOBS

811

"COLUMBUS" SOLID STEEL SCRAPERS

HOBBS



WITHOUT RUNNERS.

THE "COLUMBUS" SOLID STEEL SCRAPER

IMPROVED.

The perfect Scraper, made of a single sheet of steel, pressed into the best and most practicable shape for working. It is made with one continuous curve from the centre up the sides and back, giving it greater strength and capacity than can be obtained in any other way. It is without joint or seam, and there is not a sharp corner, bolt, brace or stay-rod about the Scraper. It will work in any kind of soil, whether plowed or not, and enters the ground as readily as a plow. We guarantee it to fill easier and clean better than any other Scraper, and it will scour where no other scraper will. Is not injured by exposure to the weather, and there is nothing about it to get out of order.

The Handles will commend themselves to everyone, as they can, if broken, be easily replaced anywhere. Bails of steel, and of improved pattern, with strong and perfect-working swivels. The best bails ever put on Scrapers. The entire bowl of the Scraper is made of one sheet of heavy steel, and is the only one so made. It is the lightest, strongest and most durable, and will displace all others wherever it is known. Improved in that we now make the Scraper longer and deeper, so that, while it carries more earth, at the same time it runs much easier and has more wearing surface.

We ship always without Runners unless otherwise directed.

- | | | |
|-------|---|----------|
| No. 1 | Carries 7 feet of earth, used for long haul or on down grade | each, \$ |
| No. 2 | Carries 5 feet of earth, for all ordinary grading, farm, or road work | each, |
| No. 3 | Carries 3 feet of earth, intended for work on narrow ditch with one horse | each, |



WITH RUNNERS.

THE K. & J. PLOWS

813

"MAMMOTH" HARD-PAN RAILROAD PLOW

FOR USE WITH HORSE OR STEAM POWER FOR

HEAVY WORK, HARD-PAN AND ROCK.



Beam very long, heavy in proportion, and ironed on top and sides. Draft-rod $2 \times \frac{3}{4}$ inches. Handles of oak, ironed on top and bottom, with bars $1\frac{1}{4} \times \frac{3}{4}$ inch, also plated with iron on sides. Handhold solid iron and well braced. Standard, Mould, Landside and Point of cast steel. Plow cuts a 9 inch furrow, 6 to 12 inches deep, and will plow anything.

One Size only, Left Hand, weight 345 pounds

each, \$

ROAD OR GRADING PLOWS



This plow is of great strength and remarkable lightness of draft. The standard is of wrought iron, V shaped ; is secured to the beam by two strong bolts, and will not twist or break ; the strongest Standard known. The Share, Landside and Mould Board are of the very best steel. The plow is made to cut a deep rather than a wide furrow, and can be regulated to any depth required. It does not turn the soil over, but loosens it, leaving the trash on top, so that it will not interfere with the Scraper when filling. It has a gauge wheel, steel coulter, heavily ironed beam and extra long handles, which give the holder perfect control. Owing to the peculiar shape of the Mould Board—our own patent—these plows can be drawn easily by two horses, but are strong enough for six, and they will scour where no other plows will.

No. 3 Left Hand, weight 200 pounds

each, \$

No. 13 Right Hand, weight 200 pounds

each,

TOWNSHIP OR BREAKING PLOW



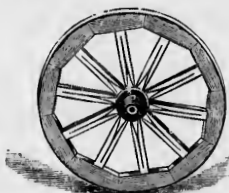
The above cut represents our new Township Plow, which is made with special reference to township road work.

It has our Wrought Iron V Shaped Standard, which is the best made, and cannot be broken. The Mould Board, Share and Landside are made from the very best steel, thoroughly hardened, and will scour in any soil. The Standard is secured to beam with two strong bolts, and cannot be twisted or broken off. There is a heavy iron strap the entire length of beam. This Plow has great strength, but is lighter than our well known Grading Plows, Nos. 3 and 13, and weighs about 100 pounds. It will run perfectly steady in all kinds of ground, and is very light draft for two horses. It cuts a furrow eleven inches wide, and from six to twelve inches deep, as desired. All Plows furnished with Cutter, as shown in cut.

No. 5 Left Hand, cuts 11 inches wide, 12 inches deep, weight 100 pounds - - - each, \$
 No. 15 Right Hand, cuts 11 inches wide, 12 inches deep, weight 100 pounds - - - each,

Jacobs' Patent Wheels.

THE
 STRONGEST
 AND
 LIGHTEST RUNNING
 WHEEL
 KNOWN.



IN ANY CLIMATE
 IT
 WILL NOT SHRINK.
 THE
 TIRE
 CANNOT COME OFF.

It has ten spokes of thoroughly seasoned wood, and each spoke is supplied with a separate felloe. The hub is of chill cast iron, and riveted firmly to the spokes, which are so cut as to counterbrace each other. The spokes are keyed from the centre after the tire is shrunk on. This wheel will not shrink or give in any weather or climate, and the tire cannot become loosened. An oil hole is drilled into the hollow washer of the hub, and the oil distributes itself along the bearings while the wheel is in motion. The wheel revolves on a fixed shaft or axle, which passes through the end of the handle, and is a brace to the barrow. This wheel cannot be broken or weakened by ordinary usage, and will last for a life time. It is well painted. We guarantee it superior to any other wood wheel.

Jacobs' Patent Steel Spoke Wheels.



Wheel Complete.

WROUGHT IRON TIRE. STEEL SPOKES.

These wheels are so constructed—having spokes tightened from centre—that the tire cannot come off or the spokes become loosened. Hubs hardened on inside. Oil hole in hub. Diameter of wheel 17 inches. Wrought Iron tire $1\frac{1}{2}$ inch wide. Steel spokes. The best Barrow Wheel manufactured.

RAILROAD OR CANAL BARROW

WITH JACOBS' PATENT WOOD WHEEL.



Full sized, bent tray, planed, and well finished, bolted securely to frame. The legs extend upward, serving as a brace to the bowl, to which they are bolted; they are also bolted to handles. This Barrow has all the merits of other bolted barrows, and, in addition, has the Jacobs' Patent Wheel, superior in every way to any wood wheel manufactured. The wheel revolves on a fixed axle bolt, similar to a buggy wheel, and runs true and evenly. The axle bolt holds the Barrow firmly together. The Barrow for railroad contractors. Will outwear any other made, and displaces all others wherever introduced. Knocks down completely for shipping, and is easily set up.

Price

per dozen, \$

Railroad or Canal Barrow.



WITH JACOBS' PATENT STEEL SPOKE WHEEL.

Same as above, but with Jacobs' Patent Iron and Steel Wheel.

Diameter of wheel, 17 inches; wrought iron tire, $1\frac{1}{2}$ inches wide; steel spokes, $\frac{5}{8} \times \frac{1}{4}$.

Price

per dozen, \$

The best Railroad Barrow manufactured.

HARDWARE CO.

Straight Handle Stone Barrow.



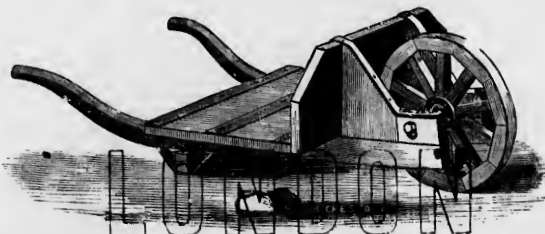
WITH JACOBS' PATENT WHEEL.

For Stone or Pig Metal. This is a strong, well made Barrow, iron strapped over the bottom, and well bolted together. It has the Jacobs' Patent Wheel, with 1 and $\frac{3}{4}$ inch tire, and hub in proportion. Strong and cheap. Painted. Furnished with Steel Spoke Wheel when specially ordered.

Price

per dozen, \$

Bent Handle Stone Barrow.



WITH JACOBS' PATENT WHEEL.

Well ironed, thoroughly bolted, bent handles, Jacobs' Patent Wheel, with $1\frac{3}{4}$ inch tire, and extra strong hub. We guarantee it to give satisfaction. Painted. Furnished with Steel Spoke Wheel when specially ordered.

Price

per dozen, \$

STEEL BOTTOM STONE BARROW.



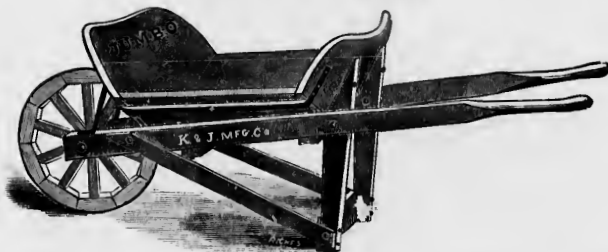
WITH JACOBS' PATENT STEEL SPOKE WHEEL.

For Stone or Pig Metal. Bottom and dash formed of one plate of steel, $\frac{1}{4}$ inch thick. Steel Spoke Wheel. Diameter of wheel, 17 inches; tire, $1\frac{3}{4}$ x $\frac{3}{8}$ inches; steel spokes, $\frac{3}{8}$ x $\frac{1}{4}$ inch. The strongest and best Stone Barrow manufactured.

Price

per dozen, \$

"Jumbo" Corn Barrow.



Capacity, 9 cubic feet. Jacobs' Patent Wheel, 17 inches in diameter; wrought iron tire, $1\frac{1}{2}$ inches wide. For Corn, Coal, Manure, Sawdust and Ashes. Furnished with Steel Spoke Wheel when specially ordered.

Price

per dozen, \$

Ore or Mortar Barrow.



WITH JACOBS' PATENT WHEEL.

For Ore, Coal, Mortar, Sand, or Dirt. All hard wood. The sides and end pieces of bowl, being dovetailed together and firmly nailed, cannot come apart. The legs extend upward as a brace to the bowl, and are bolted to bowl and to handles. The best General Purpose Barrow made. Painted. Furnished with Steel Spoke Wheel when specially ordered.

Wharf or Oyster Barrow.

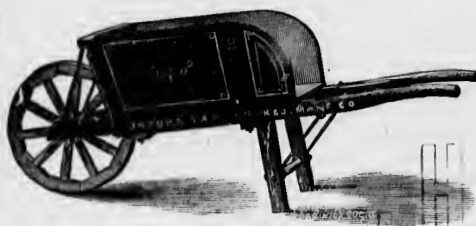


WITH JACOBS' PATENT WHEEL.

Similar to our well-known Ore Barrow, with bowl of much greater capacity. All hard wood. Sides and end pieces of bowl dovetailed together and nailed. Length of bowl—top, 36 inches; bottom, 20 inches. Width—top, 34 inches; bottom, 18 inches. Depth, 14 inches. General purpose Wharf Barrow; also suited for carrying ashes, shavings, etc., and strong enough for coal or stone. Painted. Furnished with Steel Spoke Wheel when specially ordered.

GARDEN OR FARM BARROW.

WITH JACOBS' PATENT WHEEL.



SET UP FOR USE.



FOLDED FOR SHIPPING.

These Barrows are made of thoroughly seasoned wood, with double frames, firmly bolted together, iron braced, and so constructed that, by simply removing one bolt (the axle) and two nuts, they can be folded flat down (see cut) and shipped at lowest rate of freight. But a moment's time is required to set up for use.

- No. 1 Medium Size, capacity 3½ cubic feet, painted, striped and varnished, highly finished per dozen, \$
 No. 4 Large Size, capacity 5 cubic feet, finished same as No. 3 per dozen,
 No. 2 Small Size, capacity 3 cubic feet, painted, varnished, plainly finished per dozen,
 No. 3c Same as No. 3, capacity 3½ cubic feet, painted, varnished, plainly finished per dozen,
 No. 4c Same as No. 4, capacity 5 cubic feet, painted, varnished, plainly finished per dozen.

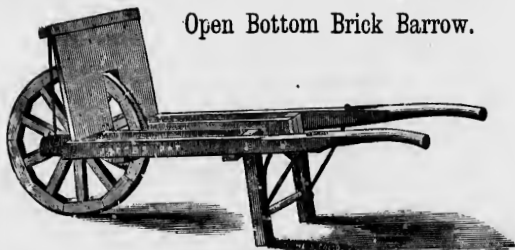
Diameter of No. 2 Wheel, 17 inches; width of tire, 1½ inch.
 Diameter of Nos. 3 and 3c Wheel, 19 inches; width of tire, 1½ inch.
 Diameter of Nos. 4 and 4c Wheel, 21 inches; width of tire, 1½ inch.

Stave or Bark Barrow.



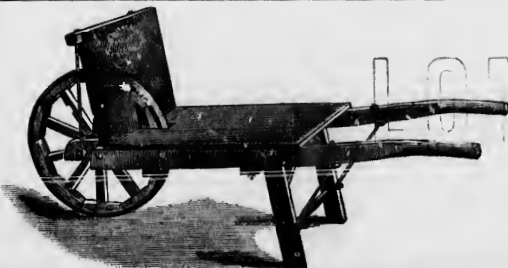
For Staves, Bark, Bales, Boxes, etc. Strongly made of hardwood. Body and dash strapped with heavy iron. Well finished, painted and varnished. A serviceable barrow for use at boat landings and depots.
 Folds for shipping same as Garden Barrow. Diameter of wheel, 21 inches; width of tire, 1½ inches. Furnished with Steel Spoke Wheel when specially ordered. With Jacobs' Patent Wheel.

Open Bottom Brick Barrow.



This barrow is designed for use at brick yards, and especially for handling green brick. Made with closed or open bottom as desired.
 Diameter of wheel, 21 inches; width of tire, 1½ inches. Folds for shipping same as Garden Barrow. Furnished with Steel Spoke Wheel when specially ordered. Set up for use as shown in cut. With Jacobs' Patent Wheel.

Tight Bottom Brick Barrow.



WITH JACOBS' PATENT WHEEL.

Same as above, except having closed bottom. Diameter of wheel, 21 inches; width of tire, 1½ inches.
 Folds for shipping same as Garden Barrow.
 Furnished with Steel Spoke Wheel when specially ordered.

"COLUMBUS" STEEL TRAY WHEELBARROWS



No. 1 Tray of No. 14 Steel; capacity, $3\frac{1}{2}$ cubic feet; wheel, 17 inches in diameter; wrought iron tire, $1\frac{1}{2}$ inches wide; Steel spokes per dozen, \$

For Earth, Sand, Ore and Foundry use.

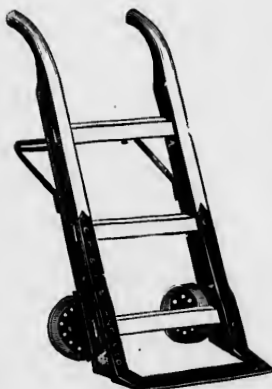
GENERAL PURPOSE WHARFBARROW



No. 2 Tray of No. 13 Steel; capacity, of 5 cubic feet; wheel, 17 inches in diameter; wrought iron tire, $1\frac{1}{2}$ inches wide; steel spokes per dozen, \$

For Coal, Manure, Cinders, Ashes, etc.

THE K. & J. TRUCKS



HALF IRONED WAREHOUSE.



FULL IRONED WAREHOUSE.



BARREL

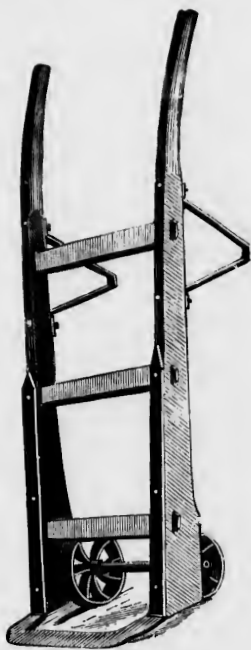
WAREHOUSE AND STORE TRUCKS.

BARREL TRUCKS.

For Barrels, Kegs, etc. Cross-bars all Curved Iron.

No.	Length of Handle.	Width.	Diameter of Wheel.		Price.	Rubber Banded Wheels.	No.	Length of Handle.	Width.	Diameter of Wheel.		Price.
0	3 feet 6 inches	18 inches	6 inches	Half Ironed	\$6 00		1	3 feet 11 inches	19 inches	6 inches	Full Ironed	\$9 00
1	3 " 11 "	19 "	6 "	Half "	7 00	\$10 00	2	4 " 2 "	20 "	7 1/2 "	" "	11 00
1	3 " 11 "	19 "	6 "	Full "	8 00	11 00	3	4 " 6 "	22 "	10 "	" "	16 00
2	4 " 2 "	20 "	7 1/2 "	Half "	9 00	14 00						
2	4 " 2 "	20 "	7 1/2 "	Full "	10 00	15 00						
3	4 " 6 "	22 "	10 "	Half "	13 00							
3	4 " 6 "	22 "	10 "	Full "	15 00							

"SMART'S" WAREHOUSE TRUCKS



Made of Best Seasoned Oak. Strongly Ironed
Steam-bent Handles.

HOBB'S

WOOD VARNISHED. IRON WORK JAPANNED.

HALF IRONED.

(As per Cut.)

	Length.	Width.	Diameter of Wheel.	Each.
No. 1	4 feet 6 inches	19 inches	7 inches	\$8 00
No. 2	4 feet 10 inches	20 inches	8 1/2 inches	7 00
No. 3	4 feet 10 inches	22 inches	9 1/2 inches	9 00

FULL IRONED.

	Length.	Width.	Diameter of Wheel.	Each.
No. 1	4 feet 6 inches	19 inches	7 1/2 inches	\$8 00
No. 2	4 feet 10 inches	20 inches	8 1/2 inches	9 00
No. 3	4 feet 10 inches	22 inches	9 1/2 inches	12 00
No. 4	5 feet 7 inches	22 1/2 inches	11 inches	14 00



HARDWARE THE "HANDY" TRUCK

LENGTH OF HANDLES, 3 FEET 10 INCHES; WIDTH, 10 INCHES.

DIAMETER OF WHEELS, 6 INCHES.

Price - - - - - each, \$

THE "HANDY" TRUCK.

TOOL BASKETS

UNLINED.

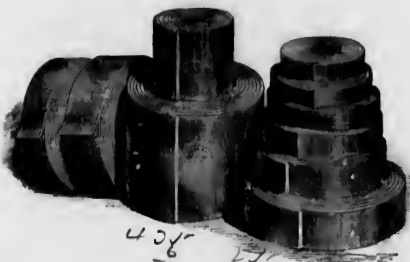
No. 1	Small	- - -	per dozen, \$
No. 2	Medium	- - -	per dozen,
No. 3	Large	- - -	per dozen,
No. 4	Extra Large	- - -	per dozen,

CANVAS LINED.

No. 01	Small	- - -	per dozen, \$
No. 02	Medium	- - -	per dozen,
No. 03	Large	- - -	per dozen,
No. 04	Extra Large	- - -	per dozen,



LEATHER BELTING



Width, Inches,	1	1½	1½	1¾	2	2¼	2½	3	3½	4	4½	5	5½	6	7
Per Running Foot, \$	0 08	10	12	14	16	18	20	23	30	35	40	45	50	55	65
Width, Inches,	8	9	10	11	12	13	14	15	16	17	18	20	22	24	27
Per Running Foot, \$	0 75	85	95	1 08	1 20	1 32	1 44	1 56	1 70	1 82	1 95	2 26	2 45	2 75	3 13

Pure Oak Tanned, Discount

per cent.

Extra Quality, Discount

per cent

No 1, or Agricultural, Discount

per cent.

DOUBLE BELTS, DOUBLE PRICE.

ROUND SOLID LEATHER BELTS.

Diameter Inches,	½	3/16	¼	⅝	⅞	1
Per Running Foot, \$	0 03	.05	.07	10	16	20



PAGE'S

PATENT LACE LEATHER

"PATNA BRAND,"

Hides, assorted, 2½ to 4 lbs. (light) per pound, \$
 Hides, assorted, 5 to 7 lbs. (heavy) per pound,

Trimmed as per Cut.



THE "HERCULES."

Hides, assorted weights per pound, \$

Trimmed as per Cut.



PAGE'S "CONCORD" RAWHIDE.

Hides, assorted weights per pound, \$

Trimmed as per Cut.

RUBBER BELTING



TWO-PLY.

Width, Inches,	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	9	10	11	12
Per Running Foot,	\$0 07	09	11	15	18	22	26	30	33	36	43	51	50	67	75	83	91

THREE-PLY.

Width, Inches,	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	9	10
Per Running Foot,	\$0 17	22	26	30	34	39	43	52	60	70	80	90
Width, Inches,	11	12	13	14	15	16	18	20	22	24	26	28
Per Running Foot,	\$1 00	1 08	1 18	1 28	1 38	1 50	1 70	1 90	2 12	2 36	2 60	2 84

FOUR-PLY.

Width, Inches,	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8
Per Running Foot,	\$0 21	26	31	37	42	47	52	62	73	84
Width, Inches,	9	10	11	12	13	14	15	16	18	20
Per Running Foot,	\$0 95	1 07	1 18	1 30	1 42	1 54	1 66	1 78	2 02	2 26
Width, Inches,	22	24	26	28	30	32	34	36	38	40
Per Running Foot,	\$2 52	2 80	3 08	3 36	3 64	3 92	4 20	4 48	4 76	5 04
Width, Inches,	42	44	46	48	50	52	54	56	58	60
Per Running Foot,	\$5 32	5 60	5 88	6 16	6 44	6 72	7 00	7 28	7 56	7 84

FIVE-PLY.

Width, Inches,	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8
Per Running Foot,	\$0 26	33	39	46	53	59	65	78	91	1 05
Width, Inches,	9	10	11	12	13	14	15	16	18	20
Per Running Foot,	\$1 18	1 33	1 47	1 62	1 77	1 92	2 07	2 22	2 52	2 82
Width, Inches,	22	24	26	28	30	32	34	36	38	40
Per Running Foot,	\$3 15	3 50	3 85	4 20	4 55	4 90	5 25	5 60	5 95	6 30
Width, Inches,	42	44	46	48	50	52	54	56	58	60
Per Running Foot,	\$6 65	7 00	7 35	7 70	8 05	8 40	8 75	9 10	9 45	9 80

SIX-PLY.

Width, Inches,	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8
Per Running Foot,	\$0 31	39	47	56	63	71	78	93	1 10	1 26
Width, Inches,	9	10	11	12	13	14	15	16	18	20
Per Running Foot,	\$1 42	1 60	1 77	1 95	2 13	2 31	2 49	2 67	3 03	3 39
Width, Inches,	22	24	26	28	30	32	34	36	38	40
Per Running Foot,	\$3 78	4 20	4 62	5 04	5 46	5 88	6 30	6 72	7 14	7 56
Width, Inches,	42	44	46	48	50	52	54	56	58	60
Per Running Foot,	\$7 98	8 40	8 82	9 24	9 66	10 08	10 50	10 92	11 34	11 76

Endless Belts are made to order. Three extra feet will be charged for the splice, and ten per cent. additional on the net price of the whole.

DIRECTIONS FOR LACING RUBBER BELTING.

The Belt to be adjusted to the pulley (depending on the thickness of the Belt), should be cut shorter than the distance around the pulleys by 1/4 to 1/2 of an inch for every foot, when measured with a tape or string drawn tight. For narrow Belts, make two rows of holes in each end, (thus obtaining a double hold.) Butt the two ends together, and lace with lacing leather. For wide Belts, in addition, put a piece of leather or rubber belting on the back to strengthen the joint, equal in length to about 1 1/2 times the width of the Belt, and sew or rivet it to the Belt.

RUBBER HOSE.

CONDUCTING, HYDRANT AND ENGINE.



TWO-PLY CONDUCTING HOSE, IN FIFTY-FOOT LENGTHS.

Inside Diameter, inches, Per Foot,	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	4	5	6
	\$0 20	25	33	42	50	58	66	75	83	92	99	1 32	1 65	1 98

THREE-PLY HYDRANT HOSE, IN FIFTY-FOOT LENGTHS.

Inside Diameter, inches, Per foot,	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{2}$	4
	\$0 23	30	40	50	60	70	80	90	1 00	1 10	1 20	1 40	1 60

FOUR-PLY ENGINE HOSE, IN FIFTY-FOOT LENGTHS.

Inside Diameter, inches, Per foot,	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{2}$	4
	\$0 30	37	50	62	75	87	1 00	1 12	1 25	1 37	1 50	1 75	2 00

All intermediate sizes to be charged at the list price of the next larger size, thus $\frac{3}{8}$ inch will be charged at the one inch price, etc.
 For Steam Fire Engine Hose write for special circular.

BREWERS' HOSE

Inside Diameter, inches, Three-Ply, per foot, Four-Ply, per foot,	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3
Three-Ply, per foot,	\$0 43	51	67	85	1 02	1 18	1 34	1 50	1 66	1 83	2 00
Four-Ply, per foot,	51	67	83	1 04	1 25	1 45	1 66	1 87	2 08	2 44	2 80

PURE RUBBER TUBING

PLAIN.

Manufactured in lengths of 12 feet.

Inside Diameter, inches,	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	
Per foot,	80 08	12	16	18	20	25	30	35	45

PURE RUBBER TUBING, WITH CLOTH INSERTION.

Inside Diameter, inches, Per foot,	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
	\$0 10	14	18	20	23	28	33	50

STEAM AND PETROLEUM OIL HOSE

823



THREE-PLY

FOR 20 LBS. OF STEAM, OR LESS.

Inside Diameter, inches, Per foot,	$\frac{3}{8}$ \$0 43	$\frac{1}{2}$ 51	1 67	$1\frac{1}{8}$ 85	$1\frac{1}{2}$ 1 02	$1\frac{3}{4}$ 1 18	2 1 34	$2\frac{1}{2}$ 1 66
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FOUR-PLY

FOR 35 LBS. OF STEAM, OR LESS.

Inside Diameter, inches, Per foot,	$\frac{1}{2}$ \$0 51	$\frac{3}{4}$ 67	1 83	$1\frac{1}{8}$ 1 04	$1\frac{1}{2}$ 1 25	$1\frac{3}{4}$ 1 45	2 1 66	$2\frac{1}{2}$ 2 08
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FIVE-PLY

FOR 50 LBS. OF STEAM, OR LESS.

Inside Diameter, inches, Per foot,	$\frac{1}{2}$ \$0 64	$\frac{3}{4}$ 83	1 1 04	$1\frac{1}{8}$ 1 30	$1\frac{1}{2}$ 1 56	$1\frac{3}{4}$ 1 81	2 2 07	$2\frac{1}{2}$ 2 60
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SIX-PLY

FOR 75 LBS. OF STEAM, OR LESS.

Inside Diameter, inches, Per foot,	$\frac{1}{2}$ \$0 76	$\frac{3}{4}$ 1 00	1 1 25	$1\frac{1}{8}$ 1 56	$1\frac{1}{2}$ 1 87	$1\frac{3}{4}$ 2 17	2 2 49	$2\frac{1}{2}$ 3 12
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SUCTION HOSE

ON GALVANIZED IRON WIRE.

Inside Diameter, inches, Per foot,	$\frac{3}{8}$ \$0 70	1 88	$1\frac{1}{8}$ 1 12	$1\frac{1}{4}$ 1 47	$1\frac{3}{8}$ 1 89	2 2 31	$2\frac{1}{2}$ 3 10	3 4 00	$3\frac{1}{2}$ 4 90	4 5 80	$4\frac{1}{2}$ 6 70
Inside Diameter, inches, Per foot,	$\frac{5}{8}$ \$1 00	$1\frac{1}{4}$ 8 50	6 9 50	$6\frac{1}{2}$ 10 50	7 12 00	$7\frac{1}{2}$ 13 50	8 15 00	9 17 50	10 20 00	12 25 00	

SMOOTH BORE SUCTION HOSE

Inside Diameter, inches, Per foot,	2 \$2 00	$2\frac{1}{2}$ 3 50	3 4 50	$3\frac{1}{2}$ 5 50	4 6 50	$4\frac{1}{2}$ 7 50	5 8 50	$5\frac{1}{2}$ 9 50	6 10 50	$6\frac{1}{2}$ 12 00	7 13 50	$7\frac{1}{2}$ 15 00	8 16 50	9 19 50	10 22 50
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HARD RUBBER SUCTION HOSE—FOUR-PLY.

Inside Diameter, inches, Per foot,	1 \$0 75	$1\frac{1}{8}$ 93	$1\frac{1}{4}$ 1 13	$1\frac{3}{8}$ 1 31	2 1 50	$2\frac{1}{2}$ 1 70	$2\frac{1}{2}$ 1 88
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PATENT LINEN HOSE—RUBBER LINED

IN LENGTHS OF 50 FEET, COUPLINGS ATTACHED.

Inside Diameter, inches, Per foot,	2 \$0 65	$2\frac{1}{2}$ 70	$2\frac{1}{2}$ 75
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STEAM PACKING



RUBBER,

Thickness, inches, 1-64, 1-32, 1-16, 3-32, 1-8, 3-16, 1-4 - - - - - per pound, **55c.**
 Stocked in 1-ply, 2-ply, 3-ply, 4-ply - - - - -

Cloth on outside will be sent unless otherwise ordered.

ASBESTOS PACKING.

In sheets 42 x 44 inches.

Thickness, inches, 1-16, 3-32, 1-8, 3-16 and 1-4 - - - - - per pound, **30c.**

FIBROUS GASKETS OR RINGS.

1-8 inch, or thinner - - - - - per pound, **90c.**
 5-32 inch, or thicker - - - - - per pound, **80c.**

CLOTH INSERTION GASKETS AND RINGS.

1-16 inch, or thinner - - - - - per pound, **\$1 25**
 3-32 inch, or thicker - - - - - per pound, **1 00**

PURE VULCANIZED SHEET RUBBER.

Of all thicknesses, for Valves, Gaskets, Washers, Rings, etc. - - - - - per pound, **\$1 40 to \$1 50**

EXTRA PURE VULCANIZED RUBBER VALVES.

For Hot and Cold Water Pumps, Vacuum Pumps, Foot and Delivery Valves, etc. - - - - - per pound, **\$1 40 to \$1 75**

SQUARE PISTON AND VALVE ROD PACKING.

All sizes from $\frac{1}{4}$ to 2 inches square, in lengths of 12 feet - - - - - per pound, **\$1 35**

PACKING.

Soapstone, Silver Lake, inches, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$	- - - - -	per pound, \$
American Hemp, common	- - - - -	per pound,
American Hemp, extra	- - - - -	per pound,
Russian Hemp	- - - - -	per pound,
Italian Hemp	- - - - -	per pound,
American Jute	- - - - -	per pound,

RAG PAPER

825

GROCERY AND HARDWARE GRADE

Size of Sheet, inches,	15 x 20	18 x 25	20 x 28	22 x 32	23 x 32	24 x 36	30 x 40	30 x 42	36 x 48
Weight of Bundle, lbs,	15	30	40	50	60	80	80	100	100
Price Per Pound,	\$								

HOBBS

ROOFING FELT, AND BUILDING PAPERS

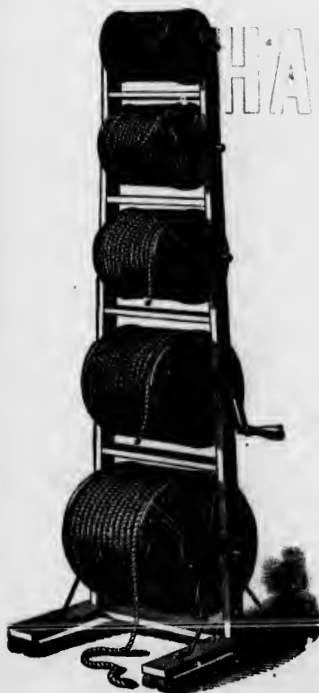
Plain Building Paper or Strawboard	-	-	-	-	-	-	-	-	per 100 lbs, \$
Tarred Building Paper or Strawboard	-	-	-	-	-	-	-	-	per 100 lbs,
Tarred Felt, for Roofing	-	-	-	-	-	-	-	-	per 100 lbs,
3-Ply Tarred Roofing Felt, complete with cement and nails	-	-	-	-	-	-	-	-	per roll,

CARPET FELT

Brown Carpet Felt, 16 and 20 ounce	-	-	-	-	-	-	-	-	per pound, \$
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ROPE

ROPE REELS.



Price, each, \$

Manilla Rope, all sizes	-	-	-	-	-	per pound, \$
Sisal Rope, all sizes	-	-	-	-	-	per pound,
Sisal Halter Rope, hand laid, 5/8	-	-	-	-	-	per pound,
Cotton Rope, diameter inches 3-16, 1/4, 5-16	-	-	-	-	-	per pound,
Russia Sea Line, No. 1	-	-	-	-	-	per pound,
Russia Sea Line, No 2	-	-	-	-	-	per pound,
Tarred Last Yarn (coils)	-	-	-	-	-	per pound,
Tarred Marline (hanks)	-	-	-	-	-	per pound,
Oakum, U. S. Navy	-	-	-	-	-	per pound,

WEIGHT AND STRENGTH OF MANILLA ROPE.

Diameter, inches,	1/4	5-16	3/8	7-16	1/2	9-16
Circumference, inches,	3/4	1	1 1/8	1 1/4	1 1/2	1 3/4
Weight of 6 feet, lbs.,					3 1/2	3 3/4
Number of feet in 1 lb.,	43	33	21	17	13	10
Strength of new Rope, lbs.,	450	750	900	1250	1700	2250
Diameter, inches,	5/8	3/4	7/8	1	1 1/8	1 1/4
Circumference, inches,	2	2 1/4	2 3/4	3	3 1/2	3 3/4
Weight of 6 feet, lbs.,	7/8	1	1 1/8	1 1/4	2 1/8	2 3/8
Number of feet in 1 lb.,	7 1/2	6	4	3 1/4	2 1/2	2 1-12
Strength of new Rope, lbs.,	3000	3900	5600	6750	9150	10600
Diameter, inches,	1 3/8	1 1/2	1 5/8	1 3/4	2	2 1/8
Circumference, inches,	4 1/4	4 3/4	5	5 1/2	6	6 3/4
Weight of 6 feet, lbs.,	3 5/8	4	5	6	7 1/4	8 1/2
Number of feet in 1 lb.,	1 7-12	1 5-12	1 1-12	1	10 in.	8 1/2 in.
Strength of new Rope, lbs.,	13450	15150	18700	22600	26900	31500
Diameter, inches,	2 1/4	2 1/2	2 3/4	2 7/8	3	
Circumference, inches,	7	7 1/2	8	8 1/2	9	
Weight of 6 feet, lbs.,	10	11 1/2	13	14 1/2	16 1/2	
Number of feet in 1 lb.,	7 1/2 in.	6 1/2 in.	5 1/2 in.	5 in.	4 3/4	
Strength of new Rope, lbs.,	36600	42000	47800	54000	60500	

LINES COTTON CHALK



20 FEET HANKS, 12 HANKS IN A BUNDLE, ALL IN ONE PIECE.

Nos.	6	7	9	11	13	15	17	20	23
Length, feet, each,	20	20	20	20	20	20	20	20	20
Bleached Cotton Twisted Chalk Lines, in hanks, per gross,	\$2 40	2 80	3 40	3 80	4 25	4 75	5 25	6 25	7 00

Half a Gross in a Box.

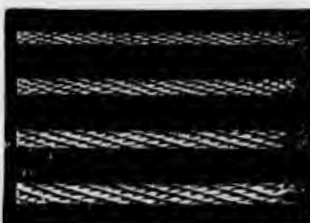


Silver Lake Braided Chalk Lines

20 FEET HANKS, 12 HANKS IN A BUNDLE, ALL IN ONE PIECE.

Nos.	0	1	2	3
Per gross,	\$6 00	6 50	7 00	7 50

Half Gross in a Box.



Silver Lake Braided Awning Lines, Etc.

3 1/2	Cotton Line, White and Drab	Nos.	3 1/2	4	4 1/2	5
4		Length, each,	48	48	48	100
4 1/2		Per dozen,	\$1 50	2 00	2 50	7 50

One Dozen Hanks in a Bundle.

Garden Lines

Hemp Garden Lines, 3-ply, Length 100 feet each	per dozen, \$
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One Dozen in a Bundle.

Sisal Clothes Lines or Bed Cords

Sisal Bed Cords, 60 feet each,	3-ply,	4-ply,	6-ply,	72 feet each,	3-ply,	4-ply,	6-ply,
per dozen, \$				per dozen, \$			
Jute Bed Cords, 60 feet each, 3-ply							per dozen, \$
Jute Bed Cords, 72 feet each, 3-ply							per dozen,
Cotton Clothes Lines, 75 feet each,							per dozen,

One Dozen in a Bundle.

Plow Lines

Russian Hemp, small	per dozen pairs, \$
Russian Hemp, large	per dozen pairs,
Russian Hemp, 3-ply, with snaps	per dozen pairs,
Russian Hemp, 6-ply, with snaps	per dozen pairs,
Cotton, with Sisal Handles	per dozen pairs,
Cotton, all Cotton	per dozen pairs,
Sisal Plow Lines	per dozen pairs,
Sisal Plow Lines, with snaps	per dozen pairs,

One Dozen in a Bundle.

CORD

SASH, SILVER LAKE BRAIDED COTTON.



Silver Lake Braided Cotton, Nos.	6	7	8	9	10	12
Diameter, inches	3/16	7/32	1/4	9/32	5/16	3/8
Weight per dozen Hanks, pounds	18	22	26	30	40	50
Number of feet in one pound	66	55	46	40	30	24
Class B	per pound.	Class C			per pound.	

One Dozen Hanks in a Package.

Baltic, Silver Lake, Hard Laid, Drab, in Hanks	per pound, \$
Baltic, Silver Lake, Hard Laid, Drab, in Coils of about 25 lbs.	per pound,
Bengal Hard Laid, Drab, in Coils of about 25 lbs.	per pound,
American Hemp, Bleached, in Coils	per pound,
Russian Hemp, No. 1, in Coils	per pound,
Russian Hemp, No. 2, in Coils	per pound,

BELL CORD.

Bleached Hemp Bell Cord, Hanks, sizes 6/32, 7/32, 8/32	per pound, \$
Bleached Hemp Bell Cord, Coils, sizes 6/32, 7/32, 8/32	per pound,

TWINES

WRAPPING TWINE. BALLS.

Cotton Wrapping Twine, 2-ply, in 5 lb. sacks	per pound, \$
Cotton Wrapping Twine, 3-ply, in 5 lb. sacks	per pound,
Cotton Wrapping Twine, 4-ply, in 5 lb. sacks	per pound,
English Mottled Twine, in 3 lb. packages	per pound,
No. 20, Hemp, Hand Laid, Hardware Twine, 3 lb. packages	per pound,

STITCHING AND SPRING TWINES.

A. B. Stitching or Mattress Twine, in 3 lb. packages	per pound, \$
No. 12 Stitching Twine, in 3 lb. packages	per pound,
Hemp Spring Twine, Soft, in bales of about 100 lbs.	per pound,
Jute Wool Twine, in bales of about 100 lbs.	per pound,

BAG TWINE.

Cotton Bag Twine, in 3 lb. packages	per pound, \$
No. 44, Bleached Hemp Bag Twine, in 3 lb. packages	per pound,
Russian Hemp Bag Twine, 2-ply	per pound,
Russian Hemp Bag Twine, 3-ply	per pound,

BINDER TWINE

Pure Manilla Binder Twine, in bales of assorted weights	per pound, \$
Mixed Sisal and Manilla Binder Twine, in bales of assorted weights	per pound,

BARBOUR'S SHOE THREAD.

No. 8 Barbour's 2 oz. Balls, packed in 1 lb. boxes	per pound, \$
No. 9 Barbour's 2 oz. Balls, packed in 1 lb. boxes	per pound,
No. 15 Barbour's 2 oz. Balls, packed in 1 lb. boxes	per pound,
No. 20 Barbour's 2 oz. Balls, packed in 1 lb. boxes	per pound,

BELMONT INTERCHANGEABLE DOUBLE BARREL SHOT GUN



GRADE A.

BAR ACTION

Double barrelled, central fire, top lever Gun. Triple bolted action, with roll shoulders and handsome double roll fence. London wire twist barrels, with steel extension rib; both barrels choked; extra quality, fancy pattern hammers out of the line of sight; sunk tumbler pins; solid block strikers; Deeley & Edge's patent fore-end fastener; best quality wrought furniture, beautifully figured oil finished walnut stock; fancy pattern on pistol hand and fore-end. Tag attached to each Gun when sent out, giving full particulars of the quality of shooting. This Gun has been specially built to meet the general want of the sporting community for a sound gun of good design and excellent shooting qualities at a reasonable cost.

The manufacture of this Gun a superiority over any gun yet offered to the sporting public at anything like the price. No skill or expense has been spared in order to produce a truly circular-jointed, machine-made gun, combining all the good points to be found in the most expensive guns of modern build, together with thorough interchangeability, each part being made to gauge, and therefore easily duplicated by sending number on guard. The barrels are fitted together by a patent process far ahead of any system at present yet in vogue. Each gun passes the most rigid scrutiny before leaving the factory, and nothing but the very best material is used in the construction. Special attention is paid to the shooting qualities, and the manufacturer is enabled, by means of a recently invented method of choke-boring, to produce a high class standard of excellence.

Price **\$52 25**

BELMONT INTERCHANGEABLE GUN



GRADE B.

This Gun is beautifully engraved by hand. In all other respects is exactly the same as Grade A.

Price **\$60 00**

BREECH-LOADING

DOUBLE BARREL SHOT GUNS



NO. A1.

BACK ACTION.

Double barrell, double bolted, central fire, side lever gun; fine twist barrels, both choked; elevated rib; good sound rebounding locks; solid block strikers; patent spring fore-end fastener; checkered oil finished walnut heart pistol hand stock, and fore-end; checkered horn heel plate; gun neatly engraved and well finished; 10 or 12 bore.

Price,

HARDWARE CO.

each, \$23 25 00



NO. A5.

BAR ACTION.

Double barrell, central fire, new pattern, top lever complete gun; fine twist barrels, both choked; extension steel lump or "doll's heads," double bolted action with roll shoulders; elevated rib; good sound rebounding locks; solid block strikers; pistol hand stocks; handsome rubber butt plate; extra quality, oiled finished checkered walnut heart stock and fore-end; extra quality engraving and gun well finished; 10 or 12 bore.

Price

each, \$26 25 00

BREECH-LOADING DOUBLE BARREL SHOT GUNS



NO. A 6.

BAR ACTION.

New Model, double barrelled, central fire, top lever Gun; double bolted action, with roll shoulders and handsome double roll fence, Damascus barrels, with steel extension lump or "doll's head"; both barrels choked; shooting and penetration of first-class quality; Bonehill's new patent fore-end loop; elevated engine turned rib; best steel rebounding locks, with new pattern circular hammer out of the line of sight; sunk tumbler pins; gilded solid block strikers; Deeley & Edge's fore-end fastener; finely finished checkered walnut heart stock and fore-end; specially designed rubber butt plate, with maker's monogram in centre; Gun nicely engraved and finished in superior style. .10 or .12 bore.

Price **\$37 50**

The above A 6 Gun can be had with laminated steel barrels instead of Damascus, if so desired.

Price **\$36 00**



NO. A 8.

BAR ACTION.

Percussion fence; triplex bolted action. In all other respects the same as A 6.

Price **\$46 55** *W.D.*

BREECH-LOADING DOUBLE BARREL SHOT GUN



LEFAUCHEUX ACTION.

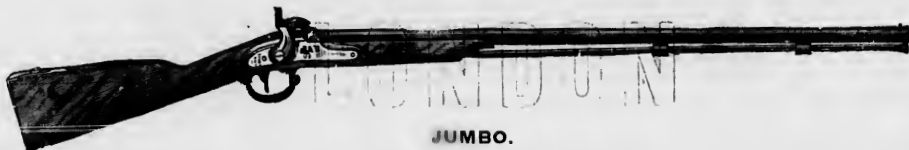
- | | | | |
|----------|---|----------------|------------|
| No. 2501 | Back action, blued steel barrels and furniture, oiled checkered walnut stock, .12 bore | price, \$11 25 | 502
508 |
| No. 2501 | Back action, blued steel barrels and furniture, oiled checkered walnut stock, .10 bore | price, 12 00 | |
| No. 2501 | Back action, blued steel barrels and furniture, oiled checkered walnut stock, pistol grip, .12 bore | price, 12 00 | |

BREECH-LOADING SINGLE BARREL SHOT GUN



ZULU.

- | | | |
|--|--------------|-----|
| Single barrel breech-loading shot gun, .12 bore, plain grip, Snider action, blued barrels | price \$5 00 | -04 |
| Single barrel breech-loading shot gun, .12 bore, plain grip, Snider action, blued barrels, gun metal breech block, | price 5 50 | |



JUMBO.

- | | | |
|--|---------------|------|
| Cut-down army musket, .12 gauge, oiled walnut stock, front-action lock, blued barrel, with polished furniture and steel cleaning rod | price, \$8 38 | U 80 |
|--|---------------|------|

DICKERMAN'S PATENT HAMMERLESS SINGLE BARREL SHOT GUN



A GENUINE HAMMERLESS



EACH GUN COMPLETE WITH THE FOLLOWING IMPROVEMENTS:

Rubber butt plate, pistol grip, top snap, patent fore-end, automatic safety, choke bored, blued frame, interchangeable parts. The top snap is utilized as a lever for cocking the hammer as well as breaking up the gun. The leverage is so adjusted that the gun is broken up and the hammer cocked as easily as an ordinary gun with simple top snap is broken up. By the same movement of the top snap the safety bolt is forced under the forward part of the trigger, locking the latter firmly into the bent of the hammer. The safety button is located just in front of the trigger and is fully protected by the guard, as shown in cut. This combination consists of breech-loading shot barrel No. 12 bore and rifle barrels which fires 44 cal. Winchester cartridges, oiled checkered, walnut stock with pistol grip. The whole is placed at the price of an ordinary single barrel breech loading gun or rifle, and is undoubtedly the cheapest firearm in the market.

Price each, **\$37 50**

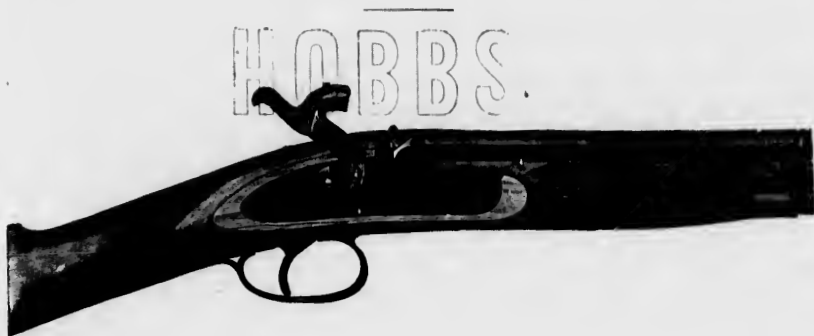
“National Hammerless” Breech-Loading Single Guns



“National Hammerless,” pistol grip, vulcanized heel plate, patent fore-end, plated trimmings, patent automatic action, 12 bore.

Price, each, **\$12 00** *6822*

MUZZLE-LOADING SINGLE GUNS



- | | | |
|--------|--|----------|
| No. 10 | Belgian, Men's Imitation Damascus, Checkered, 10 and 12 Bore | each, \$ |
| No. 15 | English Bar Action Locks, Twist, Oil Stock, Checkered, 10 and 12 Bore | each, |
| No. 20 | English Back Action Locks, Twist, Oil Stock, Checkered, 10 and 12 Bore | each, |
| No. 25 | English, better quality than No. 20, 10 and 12 Bore | each, |

HARDWARE CO.

MUZZLE-LOADING DOUBLE GUNS



- | | | |
|---------|--|----------|
| No. 100 | Belgian, Men's Imitation Damascus, Checkered, 10 and 12 Bore | each, \$ |
| No. 150 | English Bar Action Locks, Twist, Oil Stock, Checkered, 10 and 12 Bore | each, |
| No. 200 | English Back Action Locks, Twist, Oil Stock, Checkered, 10 and 12 Bore | each, |
| No. 250 | English, better quality than No. 200, 10 and 12 Bore | each, |

COLT'S NEW HAMMERLESS
DOUBLE BARREL B. L. SHOT GUNS



- No. 1 Fine Damascus barrels, top snap, extension rib, double bolt, patent fore-end, pistol grip, horn butt, automatic bolt, choked, line engraving, 12 and 10 bore price, \$80 00
- No. 2 Finest Damascus barrels, fine engraving and better finish, 12 and 10 bore, finest English walnut stock price, 125 00

COLT'S NEW LIGHTNING MAGAZINE RIFLES

32, 38 AND 44 CAL. CENTRAL FIRE.

CARBINE.



LENGTH OF BARREL.
20 inches.

NUMBER OF SHOTS.
12.

WEIGHT.
6¾ pounds.

PRICE.
\$16 50.

SPORTING RIFLE, ROUND BARREL.



LENGTH OF BARREL.
26 inches.

NUMBER OF SHOTS.
15.

WEIGHT.
6¾ pounds.

PRICE.
\$16 50.

SPORTING RIFLE, OCTAGON BARREL.



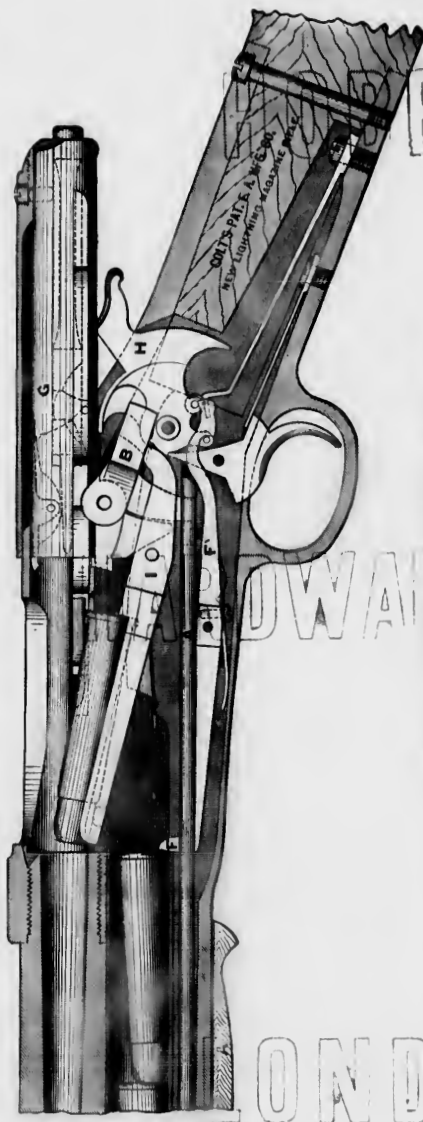
LENGTH OF BARREL.
26 inches.

NUMBER OF SHOTS.
15.

WEIGHT.
7¼ pounds.

PRICE.
\$18 00.

COLT'S NEW • LIGHTNING • MAGAZINE • RIFLE •



DIRECTIONS FOR USING

TO LOAD AND FIRE.—When the hammer is at full or half cock, the action is released by lowering the hammer. Bring the piece to the shoulder in the usual way. Grasp the handle or slide A with the left hand and draw it to the rear. The first part of this rear movement raises the locking brace B from the about 10° angle to the firing-pin lever D, withdraws the firing-pin E, and releases the magazine gate F, causing it to hold back the cartridge in the magazine, and as the bolt G moves to the rear, etc., the cartridge shell, cocks the hammer H, and raises the carrier I, so that when the movement is finished, the cartridge is in proper position to enter the chamber, as shown in the upper drawing. Then push the slide A forward. This movement carries the bolt G forward, drives the carrier I into position to receive, and withdraws the magazine gate F to release another cartridge, throws the brace B against the abutment C, and the rifle is then ready for firing. After the piece has been fired, or when the breech is closed, the handle and slide may be locked by half cocking the hammer. This action causes a projection on the magazine gate lever (shown just behind the letter F in the cut), to engage a corresponding recess in the under side of the slide, thus locking it and preventing it and the breech bolt from moving. As may be seen from the lower drawing, the handle and slide can only be released by bringing the hammer to the down position. In the other positions of the hammer, viz.: full and half cock, the slide handle, and the breech bolt are positively locked. A feature peculiar to this rifle is, the breech bolt is brought clear forward and the extractor is hooked over the cartridge in the barrel before the magazine gate will allow another cartridge to be fed to the carrier, and the magazine gate is positively locked, only allowing one cartridge at a time to pass from the magazine, thus preventing blocking of the breech action, and the escape of cartridge under the carrier. The firing pin is held back positively until the cartridge has entered the chamber, when the bolt is locked so that the premature explosion is impossible. The hammer is automatically locked and unlocked by the hook near the end of the magazine lever I. By this arrangement the rifle may be loaded and discharged by the reciprocating motion of the slide, keeping the trigger constantly pressed back during the motion by the trigger finger. The magazine can only be charged when the slide is drawn to the rear.

TO TAKE APART THE RIFLE.—Take out the tang screw. Draw off the butt stock. Take out the magazine screw at the front end and remove the magazine. Take out the two slide screws, cock the piece, draw the slide about half way to the rear and withdraw the trigger plate. Slide the bolt clear back, insert a punch in the small hole on the left hand side, and push out the locking-brace pin, and slide out the bolt. The other parts can be removed without special directions.

TO ASSEMBLE THE RIFLE.—Replace the parts in the reverse order from that given for taking the rifle apart.

COLT'S NEW LIGHTNING MAGAZINE RIFLES



	OCTAGON.	ROUND.	CARABINE.	BABY CARBINE.
Length of Barrel	28 inches.	28 inches.	22 inches.	22 inches.
Number of Shots	10.	10.	8.	8.
Weight	10 lbs.	9 3/4 lbs.	9 lbs.	8 lbs.
Price	\$20.50	\$19.00	\$19.00	\$19.00

The .50-95 Express Rifle will only be made with a 26 inch barrel

Octagon Barrel	price, \$24 00
Round Barrel	price, 22 50

THIS MODEL IS MADE IN THE FOLLOWING CALIBRES:

.38 inch Calibre,	56 grains powder,	256 grains bullet.	.45 inch Calibre,	60 grains powder,	300 grains bullet.
.40 inch Calibre,	60 grains powder,	260 grains bullet.	.45 inch Calibre,	85 grains powder,	285 grains bullet.
			.50 inch Calibre,	95 grains powder,	300 grains bullet.

Carbines will if desired be furnished with Swivels for Straps.

This Rifle possesses peculiar advantages in weight and calibre for sporting purposes, particularly for large game. The materials are the best, and the workmanship of the highest order. The cuts and description of this Rifle show that the breech action is simpler and more perfect than any in the market, making the Rifle absolutely safe against accidental explosion, by a positive automatic lock; and the left-hand method of handling ensures the easiest manipulation of the gun. Care should be taken in the selection of cartridges that the .40-60 260 cartridges should be obtained, for although the Rifle will take the cartridges with a bullet weighing 210 grains, the shell will be distorted, as the Rifle is chambered for that in which the bullet weighs 260 grains, will give the best results. Attention is called to the fact that by holding the trigger back, and using the reciprocating motion with the left hand, the Rifle can be fired with great rapidity and without further use of the trigger. In addition to the above styles, we are now making in this model an EXPRESS RIFLE to use the .50 inch calibre cartridge containing 95 grains of powder and 300 grains hollow express bullet. A solid bullet can be used if desired, but to obtain the flattest possible trajectory only the regular hollow express bullet should be used. This arm is especially adapted to those sportsmen who hunt large game, and as an Express Rifle is unexcelled. We guarantee all of our Rifles and their accuracy, which is unsurpassed, only with the U. M. C. make of cartridge, made expressly for our Rifles and bearing *fac simile* of our signature on each box.

.22 INCH CALIBRE



	LENGTH OF BARREL.	NUMBER OF SHOTS.	WEIGHT.	PRICE.
Octagon	24 inches.	15 long, 16 short.	5 3/4 lbs.	\$20 50
Round	24 inches.	15 long, 16 short.	6 lbs.	19 00

This Rifle possesses peculiar advantages in weight and calibre for small game and target practice. The materials are the best, and the workmanship of the highest order. The cuts and description of this Rifle show that the breech action is simpler and more perfect than any other in the market making the Rifle absolutely safe against accidental explosion; and the left-handed method of handling ensures the easiest manipulation of the gun. Care should be taken in the selection of cartridges. The Rifle will take all long or all short .22 calibre cartridges, or a part long and a part short. Attention is called to the fact that by holding the trigger back, and using the reciprocating motion with the left hand, the rifle can be fired with great rapidity and without further use of the trigger. The handle and slide are locked in their forward position except when the hammer is down.

WINCHESTER REPEATING SHOT GUN

837



TO DISMOUNT THE ARM:

Take out the main spring. To do this it will be necessary to use a pair of pliers. Compress the main spring, and draw it backwards through the hammer slot in the breech block. Remove the right and left carrier screws. Lift the carrier out through the top of the gun. Push out the breech block pin, and remove breech block and hammer.

To take out the extractor, push the extractor against the lower side of its slot. Push back the extractor spring pin with the point of a knife, and push the extractor hook towards the breech block stud. The firing pin is removed by taking out the firing pin stop screw. To remove the sear, unscrew the sear spring screw. Drive out the sear pin.



THE WINCHESTER REPEATING SHOT GUN. 12 GAUGE, 6 SHOT.

Sportsmen will find this a strong, serviceable arm. The system contains but sixteen parts in all, and can be readily understood from the sectional cuts. The breech block and finger lever form one piece, and move together in opening and closing. The hammer, placed in the breech block, is automatically cocked during the closing motion, but can also be cocked or set at half cock by hand. The trigger and finger lever are so adjusted that the trigger cannot be pulled prematurely, and the gun cannot be discharged until closed. The barrel can be examined and cleaned from the breech. The magazine and carrier hold five cartridges, which, with one in chamber, make six at the command of the shooter. Anyone accustomed to shooting can readily shoot double birds with this gun. The gun will only be made in 12 gauge, and will handle shells $2\frac{5}{8}$ inches long, or less. To fill the magazine, throw down the lever and push four cartridges through the carrier into the magazine, placing the fifth in the carrier; the forward and backward motion of the finger lever, which can be executed while the gun is at the shoulder, throws out the empty shell, raises a new cartridge from the magazine and puts it into the barrel; the gun is then ready to be fired. The standard gun will be made up with rolled steel barrel, case-hardened trimmings, and pistol grip stock of plain wood, not checked. All guns will be full choked, and no gun will be sent out which will not make a good target. The standard length of barrel will be 30 or 32 inches, as may be desired; but unless otherwise ordered, guns with 30 inch barrel will in all cases be sent. Two kinds of Damascus barrels will be furnished when desired at prices given below. The standard gun will have a stock $12\frac{3}{4}$ inches in length and $2\frac{5}{8}$ inches drop, and any variation from standard length or drop, will be charged for extra.

PRICE LIST OF REPEATING SHOT GUNS.

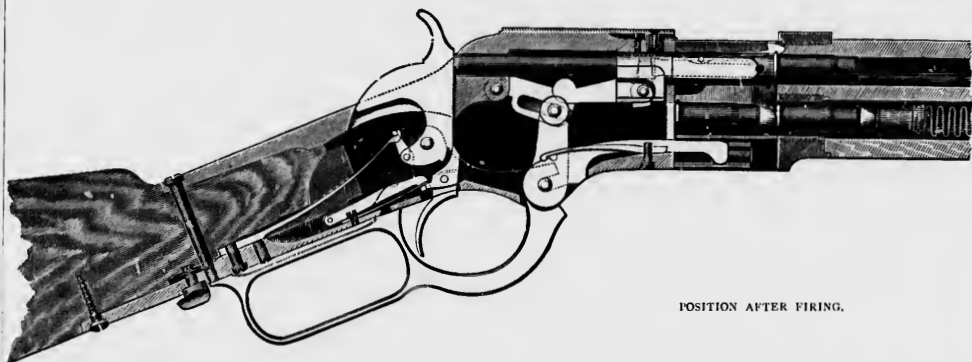
Winchester Repeating Shot Gun, rolled steel barrel, with plain pistol grip stock, 30 or 32 inch barrel (12 gauge only),	\$25 00
Fancy Walnut Stock and Fore-arm, not checked	16 00
Checking Stock and Fore-arm	5 00
Extra Length or Drop of Stock, to order	10 00
Rubber Butt Plate	2 00
Good (3 blade) Damascus Barrel (additional)	15 00
Fine (4 blade)	20 00

THE WINCHESTER REPEATING RIFLE



SECTIONAL CUT OF WINCHESTER RIFLE.

Fig. 1.



POSITION AFTER FIRING.

CUT OF WINCHESTER RIFLE WITH BREECH-PIN WITHDRAWN.



Fig. 2.

THE WINCHESTER.

The system and operation of the Winchester is easily understood from the sectional cuts of the arm shown above. The magazine is charged while the system is closed, in the position shown in Fig. 1, by pressing down the spring cover, found on the right-hand side of the receiver, with the point of the cartridge, and inserting the latter through the opening thus made. This last

is closed by the spring cover as soon as the cartridge is inserted. The operation is repeated until the magazine is filled. When it is desired to load, the finger-lever, B, is thrown forward to the position shown in Fig. 2, and then returned to that shown in Fig. 1. This motion throws out the shell or cartridge in the chamber, transfers a cartridge from the magazine to the chamber, cocks the hammer, and leaves the arm ready to fire by pulling the trigger. This motion may be executed while the gun is at the hip, or at the shoulder without taking the eye from the sights, thus enabling the firer to discharge two or more shots without removing the gun from the shoulder or losing sight of the object which it is desired to hit.

WINCHESTER'S REPEATING RIFLE

MODEL 1873.



SPORTING RIFLE, OCTAGON BARREL, PLAIN TRIGGER.

	ROUND BARREL.	HALF-OCTAGON BARREL.	OCTAGON BARREL.
Price	\$18 00	\$19 50	\$19 50
Length of Barrel	24 inch.	24 inch.	24 inch.
Number of Shots	15.	15.	15.
Weight	8 $\frac{3}{4}$ lbs.	8 $\frac{3}{4}$ lbs.	9 lbs.
Calibre	32, 38 or 44.		

WINCHESTER'S NEW REPEATING RIFLE

MODEL 1886.



This gun is adapted to the 45-70 Government Cartridges with 405 or 500 grain bullet, and to 45-90-300 or 40-82-260 Cartridges made especially for it. The system is a new one, as shown in the cuts. It is manipulated, like the Winchester, by a finger lever. This part has a short movement, enabling easy and rapid firing of the gun from the shoulder. The gun is locked by two bolts, having a motion like the old Sharp's breech-block, which show on the top of the gun when it is closed. In this position the locking bolts lie one on each side of the breech-bolt, each fitting into its slot in the frame on the one side, and into a similar slot in the breech-bolt on the other. A glance at the gun will convince any one that this is a most simple and solid locking device.

The magazine is filled, while the gun is closed, through a spring cover at the side, and is provided with a stop which permits the use of cartridges having the same shell of varying lengths less than the standard. Thus a gun chambered for the 45-70 cartridges will carry that cartridge with either the 405 or 500 grain bullet. Guns, however, chambered for the 45-90 or 40-82 cartridges will carry those cartridges only, and no others.

PRICE LIST OF WINCHESTER REPEATING RIFLE, MODEL 1886.

Octagon Barrel, 26 inches long or under, weight about 9 $\frac{1}{4}$ lbs.	price, \$21 00
Half Octagon Barrel, 26 inches long or under, weight about 9 $\frac{1}{4}$ lbs.	price, 21 00
Round Barrel, 26 inches long or under, weight about 9 lbs.	price, 19 50

The standard length of barrel will be 26 inches. Guns taking the 45-70 Cartridge will have the Sporting Leaf Sight, and all others the Sporting Rear Sight.

A rifle with 26 inch barrel and full magazine will carry nine 45-70-405 Cartridges, or eight of the other three cartridges.

Half Magazine Rifles will carry three cartridges in the magazine and one in the barrel.

Cleaning Rods will not be put in butt-stock, but each gun will be accompanied by a Slotted Hickory Rod without charge.

EXTRAS ON RIFLES.

All deviations from standard styles and sizes involve a large proportional outlay for hand labor, and, when ordered, will be subject to the following charges:

For additional length of barrel and magazine on Repeating Rifles, add to price \$1 per inch over the regular lengths, as quoted in. Barrels cannot be furnished longer than 36 inches.

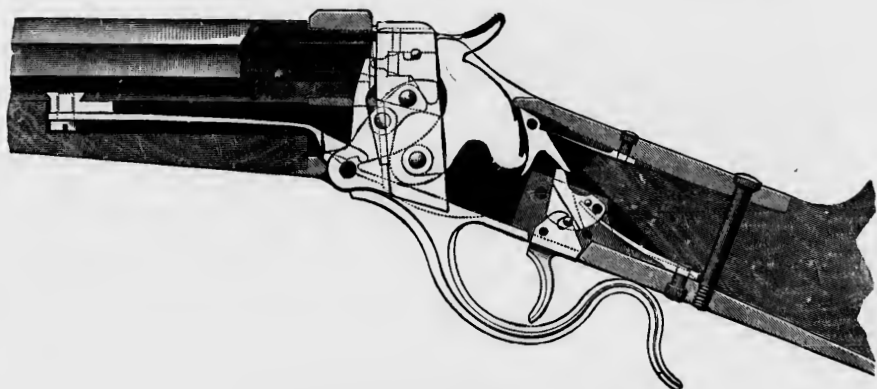
Extra heavy barrels on Repeating Rifles, round or octagon, increasing the weight of the gun from one to two pounds, can be furnished at an additional cost of \$4.

Butt-stocks of special shape, involving change in either length or drop from standard, \$10.

Engraving from \$5 to \$100 additional, according to style and quality.

Full Nickel Plating	\$4 00	Leaving off Rear Sight Slot, or changing position of Rear Sight,	\$2 00
Nickel Plating Trimmings	2 50	Blank Piece to fill Back Sight Seat	25
Silver Plating Trimmings	4 00	Case-hardening on Models 1873 and 1876	1 00
Gold Plating Trimmings	8 00	Extra Finished Plain Stocks, on Case-hardened Guns only,	2 00
Set Triggers (on Winchesters only, Models 1873, 1876 and 1886)	3 00	Sling Strap	75
Ser Triggers on Single Shot Rifles	2 00	Swivels and Sling Strap	1 50
Fancy Walnut Stock and Forearm	5 00	Matted Barrel	5 00
Checking Butt-stock and Forearm	5 00	Mid-Range Vernier Peep Sight	4 00
Fancy Walnut Stock and Forearm, checked	10 00	Graduated Peep Sight	3 00
Pistol Grip Stock and Forearm, Fancy Walnut, checked,	15 00	Wind Gauge Sight, with Spirit Level	4 00
Pistol Grip Stock of Plain Walnut, not checked	6 00	Globe Sight, with Interchangeable Disc	1 25
Rubber Butt Plates	2 00	Reach Sight	1 00
Swiss Butt Plates	2 00	Sporting Rear Sight	80
Check Piece on Fancy Stock	4 00	Front Sight	30

WINCHESTER SINGLE SHOT RIFLE



THE WINCHESTER SINGLE SHOT RIFLE.

This gun has the old Sharp's breech-block and lever, and is as safe and solid as that arm. The firing pin is automatically withdrawn at the first opening movement of the gun, and held back until the gun is closed. The hammer is centrally hung, but drops down with the breech-block when the gun is opened, and is cocked by the closing movement. It can also be cocked by hand. This arrangement allows the barrel to be wiped and examined from the breech. In outline everything has been done to make the gun pleasing to the eye. It can be furnished with or without set trigger, with barrels of all ordinary lengths and weights, and for all standard cartridges; also with rifle and shot gun butt, plain or fancy wood, or with pistol grip. All 22 Calibre Rim Fire Rifles are fitted with a kicking extractor, which throws the shell clear of the gun.

TO DISMOUNT THE ARM.

Take off the forearm. Take out the main-spring. Take out the ejector spring. Loosen the stop screw and take out the finger lever pin. Draw out the breech-block by the finger lever with the hammer attached. The extractor will drop out. If it is desired to remove the trigger or sear, take off the stock. Remove the side tang screws and tang. The pieces attached to the tang can then be removed by pushing out the pins that hold them. Remove the sear spring screw and spring.

TO ASSEMBLE THE GUN.

Replace the sear spring and screw. Mount the trigger and other parts of the lock on the tang and slide it into place. Replace the side tang screws. Assemble together the hammer, breech-block and finger lever, and hold them in the same relation to each other as shown in cut; that is, the firing pin protruded and the hammer against the breech-block. In this position push them from the under side of the gun partly into position. Put in the extractor and push the whole into place, holding back the trigger that the sear may not catch on the hammer. Put back the main-spring, ejector spring and forearm. Replace the stock.

SINGLE SHOT RIFLES



PRICE LIST OF SINGLE SHOT RIFLES

Octagon or Half Octagon Barrel	\$15 00
Round Barrel	14 50
Musket	16 00

The regular length of barrels for guns using 22 calibre cartridges will be 24 inches, and for 22 Centre Fire, and 32 or 38 Rim Fire, will be 26 inches; and all guns taking other Rim Fire Cartridges, or pistol sizes of Centre Fire Cartridges, will be made with 28 inch barrel. All guns taking Military or Sporting Cartridges will have a standard length of barrel of 30 inches. To accommodate all tastes as to weights, we shall make five sizes of barrels, numbered from 1 to 5, and varying in weight.

No. 1 Barrel is the smallest, and will be adapted to small calibres of Rim and Centre Fire Cartridges, and will also take 22, 32, 38 and 44 W. C. F. Cartridges. Guns with this size will weigh from 7 to 8 lbs., varying according to calibre.

No. 2 Barrel is intended for small sizes of Centre Fire Cartridges, and will weigh about 8½ lbs. If light guns are desired for the larger sizes of Centre Fire Cartridges this barrel can be furnished for them.

No. 3 Barrel is intended for large sizes of Military and Sporting Cartridges, and will weigh from 9 to 10 lbs., varying according to calibre. With the same length and outside size, a 38 calibre will weigh about half a pound more than a 45 calibre.

All of the above Barrels will be listed at the same price, viz.: \$15.00 for the Octagon Barrel of standard length.

All 22 Calibre Single Shot Rifles will be accompanied by a Brass Cleaning Rod, other calibres by a Slotted Hickory Rod, without charge.

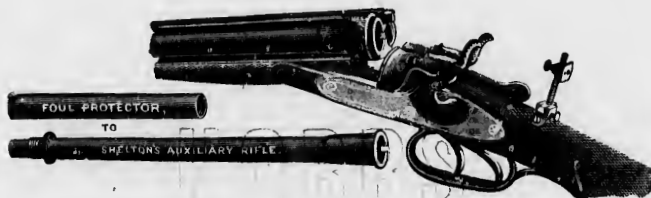
Set Triggers, additional	\$2 00
Jointed Rod in Butt Stock	50

When special barrel without slot for rear sight is wanted, an additional charge of \$2 will be made, and no allowance for rear sight.

For extra lengths over those given above, \$1 for every two inches.

AUXILIARY RIFLE BARREL

841



No. 12 x 44 Gauge, Nickel Plated, complete with Cleaning Rod

each, \$12 00

Just the thing. A good rifle for little money Can be instantly adjusted to any 12 bore breech-loading shot gun. Uses Winchester Model '73, Cartridges No. 44 Cal.

Special sight for Auxiliary Rifle

each, \$3 75

FLOBERT RIFLES

REMINGTON ACTION FOR CARTRIDGE.

PISTOL GRIP.



22 Calibre, Light, 22 inch Barrel, Rifled, Oiled Walnut Stock, Nickeled Mountings
 22 Calibre Rifle, Heavy Barrel, Oiled Walnut Stock, Nickeled Mountings

each, \$4 87
 each, 5 62

IMPROVED WARNANT ACTION.

PISTOL GRIP.

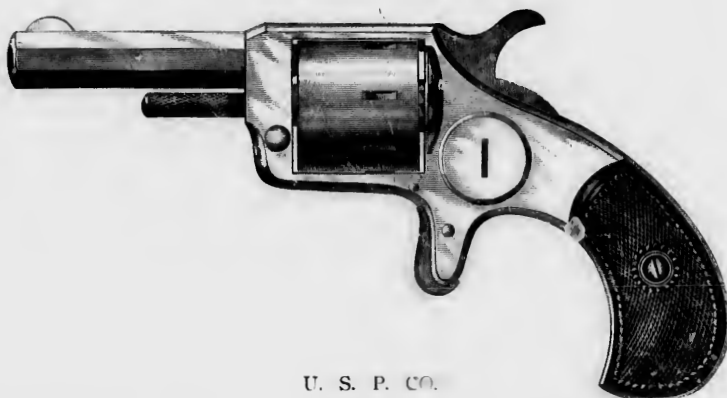


22 Calibre, Light, 22 inch Barrel, Rifled, Oiled Walnut Stock, Nickeled Mountings
 32 Calibre, Light, 22 inch Barrel, Oiled Walnut Stock, Nickeled Mountings
 32 Calibre, Heavy, 22 inch Barrel, Oiled Walnut Stock, Nickeled Mountings

each, \$5 25
 each, 5 65
 each, 6 37

REVOLVERS

22 CALIBRE. RIM FIRE.



U. S. P. CO.

No. 110.

No.	DESCRIPTION.	Each.
100	22 calibre, long, 7 shot, octagon barrel, wood stock, nickel plated	\$1 35
110	22 calibre, long, 7 shot, octagon barrel, rubber stock, nickel plated	1 65

38 CALIBRE. LONG. RIM FIRE. SAW HANDLE STOCK.



SENTINEL.

No. 120

No.	DESCRIPTION.	Each.
120	38 calibre, long, 5 shot, round barrel, wood saw handle stock, nickel plated	\$2 25

REVOLVERS

32 CALIBRE. LONG. RIM FIRE.



PROTECTOR.

No. 140.

No.	DESCRIPTION.	Each.
130	32 calibre, long, 5 shot, round barrel, wood stock, nickel plated	\$1 75
140	32 calibre, long, 5 shot, round barrel, rubber stock, nickel plated	1 95
150	32 calibre, long, 5 shot, round barrel, rubber stock, engraved, nickel plated	2 10

32 CALIBRE. LONG. RIM FIRE.



PATRIOT.

No. 170.

No.	DESCRIPTION.	Each.
160	32 calibre, long, 5 shot, round barrel, rubber stock, engraved, nickel plated	\$2 10
170	32 calibre, long, 5 shot, octagon barrel, rubber stock, engraved, nickel plated	2 45

REVOLVERS

32 CALIBRE. LONG RIM FIRE.



THE "NEW MODEL."

No. 180.

No.	DESCRIPTION.	Each.
180	32 calibre, long, 5 shot, round barrel, rubber stock, nickel plated	\$4 50

32 AND 38 CALIBRE. CENTRAL FIRE. DOUBLE ACTION.



AMERICAN BULL DOG.

Nos. 190 and 200.

No.	DESCRIPTION.	Each.
190	32 calibre, S & W. cartridges, 5 shot, octagon barrel, rubber stock, nickel plated.....	\$4 87
200	38 calibre, S & W. cartridges, 5 shot, octagon barrel, rubber stock, nickel plated.....	4 87

REVOLVERS

32, 38 AND 44 CALIBRE. CENTRAL FIRE. DOUBLE ACTION.



"BRITISH"

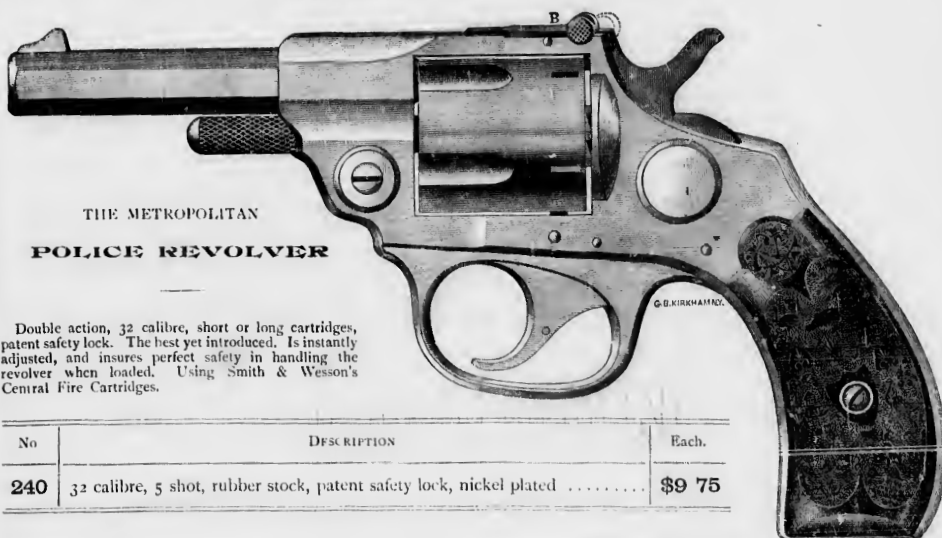
BULL DOG.

NOS. 210 TO 230.

*Using Smith & Wesson Central
Fire Cartridges*

No.	DESCRIPTION	Each.
210	32 calibre, 5 shot, rubber stock, nickel plated	\$3 00
220	38 calibre, 5 shot, rubber stock, nickel plated	3 60
230	44 calibre, 5 shot, rubber stock, nickel plated	3 75

32 CALIBRE. CENTRAL FIRE. DOUBLE ACTION.



THE METROPOLITAN

POLICE REVOLVER

Double action, 32 calibre, short or long cartridges, patent safety lock. The best yet introduced. Is instantly adjusted, and insures perfect safety in handling the revolver when loaded. Using Smith & Wesson's Central Fire Cartridges.

No.	DESCRIPTION	Each.
240	32 calibre, 5 shot, rubber stock, patent safety lock, nickel plated	\$9 75

REVOLVERS

32 CALIBRE. RIM FIRE. SINGLE ACTION.



"NORWICH ARMS CO."

NO. 250.

No.	DESCRIPTION.	Each.
250	32 calibre, 5 shot, silver plated stock, engraved gold plated cylinder and pin	\$3 00

32, 38 AND 44 CALIBRE. CENTRAL FIRE. DOUBLE ACTION.



BRITISH CONSTABULARY.

NOS. 260 TO 280.

FOR SMITH & WESSON CARTRIDGES.

No.	DESCRIPTION.	Each.
280	32 calibre, 5 shot, rubber stock, nickel plated	\$3 45
270	38 calibre, 5 shot, rubber stock, nickel plated	4 50
280	44 calibre, 5 shot, rubber stock, nickel plated	6 00

REVOLVERS

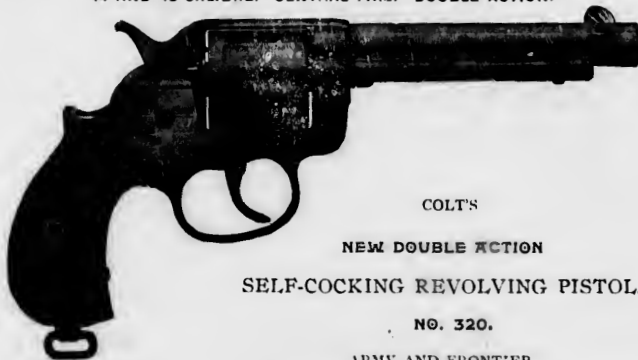
32, 38 AND 44 CALIBRE. CENTRAL FIRE. DOUBLE ACTION.



SMITH & WESSON, AUTOMATIC SELF-EJECTING.

No.	DESCRIPTION.	Each.
290	32 calibre, 5 shot, rubber stock, rebounding locks, rifled barrel, nickel plated	\$7 50
300	38 calibre, 5 shot, rubber stock, rebounding locks, rifled barrel, nickel plated	8 00
310	44 calibre, 5 shot, rubber stock, rebounding locks, rifled barrel, nickel plated	8 50

44 AND 45 CALIBRE. CENTRAL FIRE. DOUBLE ACTION.



COLT'S

NEW DOUBLE ACTION

SELF-COCKING REVOLVING PISTOL.

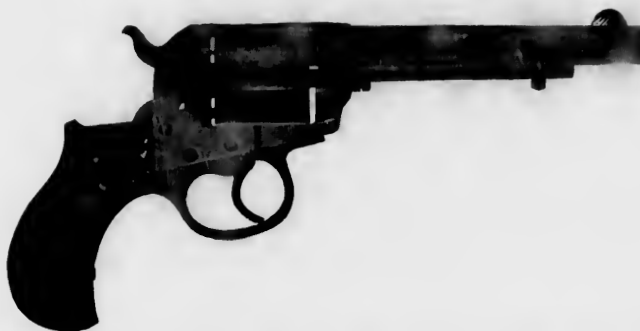
NO. 320.

ARMY AND FRONTIER.

No.	DESCRIPTION.	Each.
320	45 calibre, Army, and 44 calibre, Frontier, 6 shot, rubber stock, nickel plated or blued frame, length of barrels 4¾, 5½ and 7½ inches	\$18 00

REVOLVERS

38 AND 41 CALIBRE. CENTRAL FIRE. DOUBLE ACTION.



COLT'S SELF-COCKING REVOLVING PISTOL, WITH EJECTOR.

No. 330.

No.	DESCRIPTION.	Each.
330	38 and 41 calibre, 6 shot, with walnut, rosewood or hard rubber stocks, blued or full nickel plated, length of barrels, 4½, 5 and 6 inches.	\$15 00

38, 44 AND 45 CALIBRE. CENTRAL FIRE. SINGLE ACTION.



COLT'S ARMY AND FRONTIER PISTOL.

Nos. 340 and 350

Cartridges for the "Army" Pistol .45 inch calibre. "The Frontier" is made to use the 38-100 and 44-100 Colt's Lightning Magazine Rifle Cartridges.

No.	DESCRIPTION.	Each.
340	"Army," 45 calibre, 6 shot, length of barrel 7½ inches, rifled barrels.	\$16 00
350	"The Frontier," 38 and 44 calibre, 6 shot, length of barrel 7½ inches, rifled barrels.	16 00



RIM FIRE PISTOL AND RIFLE CARTRIDGES.

Manufactured by the UNION METALLIC CARTRIDGE COMPANY.



Price per 1,000, \$5.00. Powder 4 grains.
Case contains 10,000. Lead 29
Primed shells, per 1,000, \$2.00.
For 22 calibre revolvers and rifles.



Price per 1,000, \$6.00. Powder 5 grains.
Case contains 10,000. Lead 29
Primed shells, per 1,000, \$2.50.
For 22 calibre long revolvers and rifles.



Price per 1,000, \$6.00. Powder 5 grains.
Case contains 10,000. Lead 40
Primed shells, per 1,000, \$2.50.
For Ballard, Stevens, and other rifles.



Price per 1,000, \$9.00. Powder 6 grains.
Case contains 10,000. Lead 40
Primed shells, per 1,000, \$3.00.
For Ballard, Stevens, and other rifles.



Price per 1,000, \$3.50. Powder 5 grains.
Case contains 5,000. Lead 43
Primed shells, per 1,000, \$3.00.
For Bacon & Bliss revolvers.



Price per 1,000, \$9.00. Powder 6 grains.
Case contains 5,000. Lead 54
Primed shells, per 1,000, \$3.00.
For Colt's Standard and other revolvers.



Price per 1,000, \$10.50. Powder 8 grains.
Case contains 5,000. Lead 75
Primed shells, per 1,000, \$3.00.
For Colt's Standard and other revolvers.



Price per 1,000, \$10.00. Powder 5 1/2 grains.
Case contains 5,000. Lead 60
Primed shells, per 1,000, \$3.00.
For Remington magazine pistols.



Price per 1,000, \$10.00. Powder 9 grains.
Case contains 5,000. Lead 80
Primed shells, per 1,000, \$3.00.
For 32 calibre revolvers and rifles.



Price per 1,000, \$11.50. Powder 13 grains.
Case contains 5,000. Lead 90
Primed shells, per 1,000, \$3.00.
For 32 calibre long revolvers and rifles.



Price per 1,000, \$16.50. Powder 18 grains.
Case contains 2,000. Lead 90
Primed shells, per 1,000, \$6.50.
For Ballard, Stevens, and other rifles.



Price per 1,000, \$16.00. Powder 15 grains.
Case contains 3,000. Lead 125
Primed shells, per 1,000, \$5.00.
For rifles and revolvers, this calibre.



Price per 1,000, \$18.00. Powder 18 grains.
Case contains 2,000. Lead 150
Primed shells, per 1,000, \$6.00.
For revolvers, Ballard, and other rifles.



Price per 1,000, \$35.00. Powder 31 grains.
Case contains 2,000. Lead 200
Primed shells, per 1,000, \$8.50.
For Ballard, Stevens, and other rifles.



Price per 1,000, \$15.00. Powder 10 grains.
Case contains 3,000. Lead 153
Primed shells, per 1,000, \$4.50.
Colt's, Remington, and other revolvers.



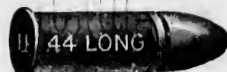
Price per 1,000, \$17.50. Powder 16 grains.
Case contains 3,000. Lead 164
Primed shells, per 1,000, \$5.50.
For Colt's and other revolvers.



Price per 1,000, \$30.00. Powder 20 grains.
Case contains 2,000. Lead 220
Primed shells, per 1,000, \$7.50.
For Allen rifles.



Price per 1,000, \$23.00. Powder 15 grains.
Case contains 2,000. Lead 220
Primed shells, per 1,000, \$8.00.
For Bull Dog, Remington and other revolvers.



Price per 1,000, \$25.00. Powder 18 grains.
Case contains 2,000. Lead 218
Primed shells, per 1,000, \$7.50.
For Ballard, Remington and other rifles.



Price per 1,000, \$24.00. Powder 26 grains.
Case contains 2,000. Lead 200
Primed shells, per 1,000, \$7.50.
For Winchester model '66 rifles and revolvers.



Price per 1,000, \$25.00. Powder 26 grains.
Case contains 2,000. Lead 200
Primed shells, per 1,000, \$7.50.
For Winchester Model '66 rifles and revolvers.

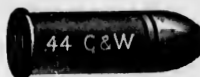


Price per 1,000, \$37.00. Powder 33 grains.
Case contains 1,000. Lead 218
Primed shells, per 1,000, \$9.00.
For Howard's and other rifles.

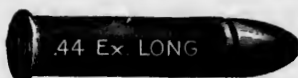
Blank cartridges, same list as ball cartridges but different discount. When ordering 22 calibre cartridges state if wanted 50 or 100 in a box.



RIM FIRE PISTOL AND RIFLE CARTRIDGES.



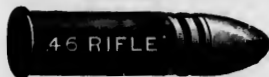
Price per 1,000, \$25.00. Powder 26 grains.
Case contains 2,000. Lead 200 "
Primed shells, per 1,000, \$7.50.
For Winchester model '66 rifle and revolvers.



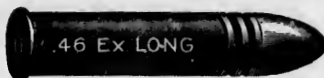
Price per 1,000, \$36.00. Powder 46 grains.
Case contains 1,000. Lead 218 "
Primed shells, per 1,000, \$11.00.
For Ballard, Stevens, and other rifles.



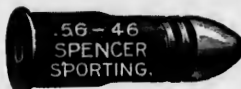
Price per 1,000, \$25.00. Powder 20 grains.
Case contains 2,000. Lead 227 "
Primed shells, per 1,000, \$7.50.
For Remington, Army, and other revolvers.



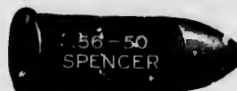
Price per 1,000, \$38.00. Powder 35 grains.
Case contains 2,000. Lead 905 "
Primed shells per 1,000, \$8.50.
For Ballard, Remington, & other rifles.



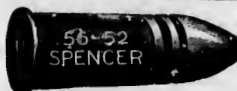
Price per 1,000, \$48.00. Powder 51 grains.
Case contains 1,000. Lead 905 "
Primed shells, per 1,000, \$11.00.
For Ballard, Remington, and other rifles.



Price per 1,000, \$40.00. Powder 45 grains.
Case contains 1,000. Lead 920 "
Primed shells, per 1,000, \$12.00.
For Spencer repeating rifles.



Price per 1,000, \$40.00. Powder 45 grains.
Case contains 1,000. Lead 350 "
Primed shells, per 1,000, \$12.00.
For Spencer's, Sharps's, and other rifles.



Price per 1,000, \$40.00. Powder 45 grains.
Case contains 1,000. Lead 420 "
Primed shells, per 1,000, \$12.00.
For Spencer, Military, and other rifles.



Price per 1,000, \$10.00. Powder 42 grains.
Case contains 1,000. Lead 393 "
Primed shells, per 1,000, \$12.00.
For Spencer, Ballard and other rifles.

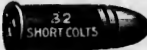
CENTRAL FIRE PISTOL AND RIFLE CARTRIDGES.

U. M. C.
Primer
No. 00.



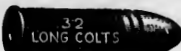
Price per 1,000, \$13.00. Powder 9 grains.
Case contains 5,000. Lead 45 "
Primed shells per 1,000, \$9.00
Bullets per 1,000, 2.50
For Stevens, Ballard and other rifles.

U. M. C.
Primer
No. 0.



Price per 1,000, \$11.00. Powder 9 grains.
Case contains 5,000. Lead 80 "
Primed shells per 1,000, \$6.00
Bullets per 1,000, 3.00
For Colt's and other revolv. ra.

U. M. C.
Primer
No. 0.



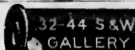
Price per 1,000, \$12.00. Powder 18 grains.
Case contains 5,000. Lead 90 "
Primed shells per 1,000, \$6.50
Bullets per 1,000, 3.00
For Webley and other revolvers.

U. M. C.
Primer
No. 0.



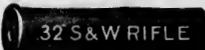
Price per 1,000, \$11.00. Powder, 10 grains.
Case contains 5,000. Lead 89 "
Primed shells per 1,000, \$6.00
Bullets per 1,000, 3.00
For S. and W. and Bull-dog revolvers.

U. M. C.
Primer
No. 1.



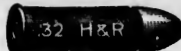
Price per 1,000, \$18.00. Powder 6 grains.
Case contains 3,000. Lead 50 "
Primed shells per 1,000, \$10.00
Bullets per 1,000, 4.00
For S. and W. Gallery revolver.

U. M. C.
Primer
No. 1-2.



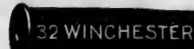
Price per 1,000, \$20.00. Powder 17 grains.
Case contains 3,000. Lead 98 "
Primed shells per 1,000, \$10.00
Bullets per 1,000, 5.00
For S. and W. revolving rifle.

U. M. C.
Primer
No. 0.



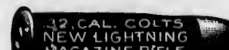
Price per 1,000, \$14.00. Powder 15 grains.
Case contains 5,000. Lead 88 "
Primed shells per 1,000, \$7.50
Bullets per 1,000, 4.50
For H. and R. revolvers.

U. M. C.
Primer
No. 1.



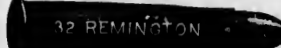
Price per 1,000, \$18.00. Powder 20 grains.
Case contains 2,000. Lead 116 "
Primed shells per 1,000, \$9.00
Bullets per 1,000, 4.00
For Winchester rifle, model '73.

U. M. C.
Primer.
No. 1.



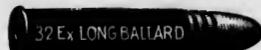
Price per 1,000, \$10.00. Powder 50 grains.
Case contains 2,000. Lead 110 "
Primed shells per 1,000, \$9.00
Bullets per 1,000, 4.00
For Colt's Lightning Repeating rifles.

U. M. C.
Primer
No. 1 1/2



Price per 1,000, \$25.00. Powder 30 grains.
Case contains 1,000. Lead 125 "
Primed shells per 1,000, \$11.00
Bullets per 1,000, 7.00
For Remington rifles.

U. M. C. Primer. 1 1/2



Price per 1,000, \$18.00. Powder 18 grains.
Case contains 3,000. Lead 105 "
Primed shells per 1,000, \$8.00
Bullets per 1,000, 3.50
For Ballard and other rifles.

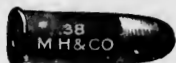
Blank Cartridges Same List as Ball Cartridges, but Different Discount.



CENTRAL FIRE PISTOL AND RIFLE CARTRIDGES.

U. M. C.
Primer
No. 0.

Price per 1,000, \$13.50. Powder 15 grains.
Case contains 2,000. Lead 140 "
Primed shells per 1,000.....\$7.50
Bullets per 1,000.....4.50
For S. & W. B. Dog and other revolvers.

U. M. C.
Primer
No. 0.

Price per 1,000, \$13.50. Powder 15 grains.
Case contains 2,000. Lead 143 "
Primed shells per 1,000.....\$8.00
Bullets per 1,000.....4.50
For M. & H. revolvers.

U. M. C.
Primer
No. 0.

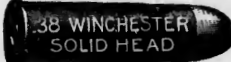
Price per 1,000 \$13.50. Powder, 15 grains.
Case contains 4,000. Lead 145 "
Primed shells per 1,000.....\$7.00
Bullets per 1,000.....4.00
For Colt's Remington and other revolvers.

U. M. C.
Primer
No. 0.

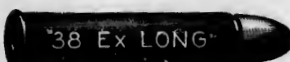
Price per 1,000, \$14.50. Powder 18 grains.
Case contains 3,000. Lead 150 "
Primed shells per 1,000.....\$7.50
Bullets per 1,000.....4.50
For Colt's revolvers and rifles.

U. M. C.
Primer
No. 1.

Price per 1,000, \$10.00. Powder 40 grains.
Case contains 2,000. Lead 160 "
Primed shells per 1,000.....\$10.00
Bullets per 1,000.....5.00
For Colt's Lightning Repeating rifle.

U. M. C.
Primer
No. 1.

Price per 1,000, \$19.00. Powder 40 grains.
Case contains 2,000. Lead 160 "
Primed shells per 1,000.....\$10.00
Bullets per 1,000.....5.00
For Winchester rifle, Model '73.

U. M. C.
Pr. No. 1.

Price per 1,000, \$23.00. Powder 81 grains.
Case contains 2,000. Lead 146 "
Primed shells per 1,000.....\$11.00
Bullets per 1,000.....5.00
For Frank Wesson and other rifles.

U. M. C.
Primer
No. 0.

Price per 1,000, \$15.00. Powder 15 grains.
Case contains 2,000. Lead 163 "
Primed shells per 1,000.....\$7.50
Bullets per 1,000.....4.00
For Colts and Remington revolvers.

U. M. C.
Primer
No. 0.

Price per 1,000, \$15.00. Powder 15 grains.
Case contains 2,000. Lead 163 "
Primed shells per 1,000.....\$7.50
Bullets per 1,000.....4.00
For Colt's double action revolvers.

U. M. C.
Primer
No. 0.

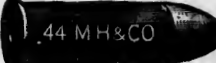
Price per 1,000, \$17.50. Powder 22 grains.
Case contains 2,000. Lead 196 "
Primed shells per 1,000.....\$8.00
Bullets per 1,000.....6.00
For Colt's double action revolvers.

U. M. C.
Primer
No. 0.

Price per 1,000, \$19.00. Powder 23 grains.
Case contains 2,000. Lead 218 "
Primed shells per 1,000.....\$9.50
Bullets per 1,000.....0.00
For S. & W. American model revolvers.

U. M. C.
Primer
No. 2

Price per 1,000, \$20.00. Powder 23 grains.
Case contains 2,000. Lead 250 "
Primed shells per 1,000.....\$9.50
Bullets per 1,000.....0.50
For S. & W. Russian model No. 8.

U. M. C.
Primer
No. 1.

Price per 1,000, \$20.00. Powder 28 grains.
Case contains 2,000. Lead 222 "
Primed shells per 1,000.....\$10.00
Bullets per 1,000.....0.50
For M. & H. Army revolvers

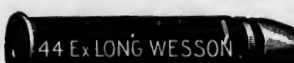
U. M. C.
Primer
No. 2

Price per 1,000, \$20.00. Powder 23 grains.
Case contains 2,000. Lead 210 "
Primed shells per 1,000.....\$10.00
Bullets per 1,000.....6.00
For Colt's old Model Army revolvers.

U. M. C.
Primer
No. 1.

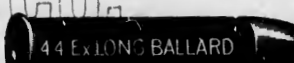
Price per 1,000, \$22.00. Powder 35 grains.
Case contains 2,000. Lead 227 "
Primed shells per 1,000.....\$9.50
Bullets per 1,000.....6.00
For Ballard rifles.

U. M. C. Pr. No. 1

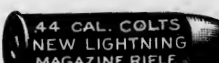


Price per 1,000, \$30.00. Powder 50 grains.
Case contains 2,000. Lead 237 "
Primed shells per 1,000.....\$14.00
Bullets per 1,000.....9.00
For Wesson and other rifles.

U. M. C. Pr. No. 1



Price per 1,000, \$30.00. Powder 50 grains.
Case contains 2,000. Lead 205 "
Primed shells per 1,000.....\$14.00
Bullets per 1,000.....9.00
For Ballard and Whitney rifles.

U. M. C.
Primer
No. 1.

Price per 1,000, \$19.00. Powder 40 grains.
Case contains 2,000. Lead 200 "
Primed shells per 1,000.....\$10.00
Bullets per 1,000.....9.00
For Colt's Lightning Repeating rifles.

U. M. C.
Primer
No. 1.

Price per 1,000, \$19.00. Powder 40 grains.
Case contains 2,000. Lead 200 "
Primed shells per 1,000.....\$10.00
Bullets per 1,000.....6.00
For Winchester rifle, model '73.

Berdan
Primer
No. 1.

45 PEABODY MARTINI

Price per 1,000.....\$42.00 Powder 81 grains.
Case contains 1,000..... Lead 480 "
Primed shells per 1,000..... 19.00 Patched bullets per 1,000 \$16.00
For Peabody Martini Turkish model Military rifles.

Berdan
Primer
No. 1.

45-70 GOVT

Price per 1,000.....\$35.00 Powder 70 grains.
Case contains 1,000..... Lead 405 "
Primed shells per 1,000..... \$23.00
Grooved Bullets per 1,000..... \$13.00 Patched do. per 1,000 \$15.00
For U. S. Springfield and Sharp's rifles.

U. M. C.
Primer
No. 2 1-2.

45-70 500 GOVT GROOVED

Price per 1,000.....\$38.00 Powder 70 grains.
Case contains 1,000..... Lead 500 "
Primed shells per 1,000..... 22.00 Grooved bullets per 1,000 \$15.00
For U. S. Springfield and Sharp's rifles.

Berdan
Primer
No. 1.

45 GOVT CARBINE

Price per 1,000.....\$35.00 Powder 55 grains.
Case contains 1,000..... Lead 405 "
Primed shells per 1,000..... \$23.00
Grooved bullets per 1,000..... \$13.00 Patched bullets per 1,000 \$15.00
For U. S. Springfield

Berdan
Primer
No. 1.

50 GOVERNMENT

Price per 1,000.....\$37.00 Powder 70 grains.
Case contains 1,000..... Lead 450 "
Primed shells per 1,000..... \$22.50
Grooved bullets per 1,000..... \$13.00 Patched bullets per 1,000 \$15.00
For U. S. Springfield, Remington and Sharp's and other rifles.

Berdan
Primer
No. 1

50 CARBINE
SOLID HEAD

Price per 1,000.....\$30.00 Powder 50 grains.
Case contains 1,000..... Lead 400 "
Primed shells per 1,000..... 15.50 Grooved bullets per 1,000 \$10.50
For Peabody Martini, Remington and Whitney rifles.

Berdan
Primer
No. 1.

57 SNYDER

Price per 1,000.....\$36.00 Powder 80 grains.
Case contains 1,000..... Lead 480 "
Primed shells per 1,000..... \$17.00 Grooved bullets per 1,000 \$14.00
For English Government Military rifle.

Berdan
Primer
No. 1.

58 BERDAN NM

Price per 1,000.....\$44.00 Powder 80 grains.
Case contains 1,000..... Lead 580 grains.
Primed shells per 1,000..... 24.00 Grooved bullets per 1,000 \$15.00
For Needham, Remington and Peabody Transformed, Springfield and
Enfield rifles.

Berdan
Primer
No. 1.

58-REM
CARBINE

Price per 1,000.....\$37.00 Powder 40 grains.
Case contains 1,000..... Lead 580 "
Primed shells per 1,000..... 18.00 Grooved bullets per 1,000 \$15.00
For Transformed carbines.

Blank Cartridges Same List as Ball Cartridges, but Different
Discount.

Bullet Breech Caps.

Shot Cartridges.

Lefauchaux Cartridges.

Price per 1,000, \$4.00. Case contains 10,000
For Flobert and other rifles.

Price per 1,000, \$4.50. Case contains 10,000.
For Flobert and 22 calibre rifles.

BLANK CARTRIDGES.

Price per 1,000, \$5.00. Case contains 10,000.
For revolvers and pistols this calibre.

Price per 1,000, \$10.00. Case contains 5,000.
For revolvers and pistols this calibre.

Price per 1,000, \$11.00. Size of shot, Dust.
Case contains 10,000.
For 22 calibre rifles and revolvers.

Price per 1,000, \$22.00. Size of shot, No. 10
Case contains 5,000.
For 32 calibre rifles and revolvers.

U. M. C.
Primer
No. 0. Price per 1,000, \$18.00. Size of shot, No. 10.
Case contains 5,000.
For rifles and revolvers this calibre.

U. M. C.
Primer
No. 0. Price per 1,000, \$30.00. Size of shot, No. 10.
Case contains 3,000.
For rifles and revolvers this calibre.

Price per 1,000, \$15.00. Powder 5 grains.
Case contains 2,000. Lead 57 "
For French and German revolvers.

Price per 1,000, \$19.00. Powder 6 grains.
Case contains 2,000. Lead 120 "
For French and German revolvers.

Price per 1,000, \$23.00. Powder 8 grains.
Case contains 2,000. Lead 200 "
For French and German revolvers.



Rim Fire Pistol and Rifle Cartridges.

	PER M.	CONTENTS OF CASE.	GROSS WEIGHT OF CASE.	NET WEIGHT OF CASE.	QUANTITY OF POWDER.	WEIGHT OF BULLET.	PRIME SHOT.
22 Short, 50 in box.....	\$3 00	M. 10	Lbs. 65	Lbs. 58	Grains 4	20	\$3 00
22 " 100 "	3 00	10	65	57	4	20	2 00
22 Long 50 "	0 00	10	72	65	5	20	2 50
22 " 100 "	0 00	10	72	65	5	20	2 50
22 " Rifle, 50 in box	0 00	10	88	80	5	20	2 50
22 " Rifle, 100 " ..	0 00	10	88	80	5	40	2 50
23 Extra Long.....	0 00	10	95	90	6	40	3 00
25 "	8 50	5	47	41	5	43	3 50
30 Short "	9 00	5	65	59	6	58	3 00
30 Long "	10 50	5	85	77	8	75	3 60
33 Extra Short.....	10 00	5	00	50	5	60	3 00
33 Short.....	10 00	5	84	77	9	80	3 60
33 Long.....	11 50	5	97	91	13	90	4 00
33 Extra Long.....	16 50	2	45	41	18	90	6 50
38 Short.....	10 00	3	82	75	15	125	5 00
38 Long.....	13 00	3	95	89	18	150	6 00
38 Extra Long.....	25 00	2	78	70	31	150	9 50
41 Short.....	15 00	3	78	72	10	153	4 50
41 Long.....	17 50	3	98	92	15	183	5 50
43 Cal. No. 64, Forehand & Wardsworth Rifle	30 00	2	91	82	20	220	7 50
44 Short.....	23 00	2	80	75	15	200	6 00
44 Long.....	25 00	2	91	85	28	200	7 50
44 Henry, Flat.....	24 00	2	87	79	26	200	7 50
44 " Pointed.....	25 00	2	85	80	28	200	7 50
44 C. & W.....	25 00	2	87	81	26	200	7 50
44 Howard, Long.....	27 00	1	51	43	33	218	9 00
44 Extra Long.....	36 00	1	97	48	40	218	11 00
46 Pistol Shot.....	25 00	3	91	87	20	227	7 50
46 Rifle.....	1 00	3	125	115	35	305	8 50
46 Extra Long.....	40 00	1	72	63	51	305	11 00
56-46 Spencer Sporting	40 00	1	71	68	45	320	12 00
56-50 " Carbine.....	40 00	1	72	69	45	350	12 00
56-52 " Rifle.....	40 00	1	70	76	45	400	12 00
56-56 " Carbine.....	40 00	1	70	72	43	383	12 00

Blank Cartridge list same as Ball Cartridges, except 22 and 32.

When ordering 22 Calibre Cartridges, state if wanted 50 or 100 in a box.

Military Rim Fire Cartridges.

	PER M.	CONTENTS OF CASE.	GROSS WEIGHT OF CASE.	NET WEIGHT OF CASE.	QUANTITY OF POWDER.	WEIGHT OF BULLET.
11 Swiss.....	\$30 00	M. 1	78	67	Grains 58	300
15 Peabody.....	30 00	1	83	74	50	320
15 Danish.....	30 00	1	85	76	50	330
30 Pistol.....	20 00	1	66	53	20	300
30-60 gra. Peabody.....	80 00	1	89	82	60	400
30-70 gra. Sharps.....	30 00	1	100	91	70	450
32 Carbine.....	30 00	1	—	—	70	400
32 Springfield.....	30 00	1	100	100	60	500
38 Miller.....	30 00	1	—	—	—	—
38 Carbine.....	30 00	1	—	—	60	500
58 Gaiting.....	32 00	1	122	112	70	575
58 Joslyn.....	30 00	1	81	70	44	380

Blank Cartridges same list as ball cartridges.

Bullet Breech (B. B.) Caps.

	PER M.	CONTENTS OF CASE.	GROSS WEIGHT OF CASE.	NET WEIGHT OF CASE.
In quarter boxes.....	\$4 00	M. 10	Lbs. 35	Lbs. 35
In tenth boxes.....	4 90	10	38	35
CONICAL BULLET CAPS.				
In quarters, swaged bullets.....	\$4 50	10	57	50
In tenths, swaged bullets.....	4 50	10	57	50

When ordering B. B. or C. B. CAPS, state if wanted 100 or 250 in a box.

Lefauchaux (Pin Fire) Cartridges.

	PER M.	CONTENTS OF CASE.	GROSS WEIGHT OF CASE.	NET WEIGHT OF CASE.	QUANTITY OF POWDER.	WEIGHT OF BULLET.
7 mm.....	15 00	M. 2	Lbs. 31	Lbs. 25	Grains 5	57
9 mm.....	19 00	2	54	48	6	120
12 mm.....	23 00	2	86	75	9	200

Blank Cartridges list same as Ball Cartridges.

Shot (Rim Fire) Cartridges.

	PER M.	CONTENTS OF CASE.	SIZE OF SHOT.
22 cal., Rim Fire, Long.....	\$11 00	M. 10	No. Dust 10
32 " " " Short.....	22 00	5	—
38 " " " Long.....	30 00	3	—
56-52 cal., Rim Fire.....	32 00	3	—
	50 00	1	—

Shot (Central Fire) Cartridges.

	PER M.	CONTENTS OF CASE.	SIZE OF SHOT.
32 cal., S. and W.....	\$18 00	M. 5	No. 10
38 " " "	20 00	2	—
32 " Winchester.....	21 00	2	—
38 " X. L. Shot Gun.....	18 00	2	—
38 " Winchester.....	25 00	2	—
44 "	25 00	2	—
44 " Evans N. M.....	30 00	2	—
44 " M. and H.....	24 00	2	—
44 " S. and W. Russian.....	24 00	2	—
45 " Colt's Army.....	80 00	2	—



CENTRAL FIRE PISTOL AND RIFLE CARTRIDGES.

PRIMER USED.		FOR "PRIMER USED," SEE LIST OF PRIMERS.	PR. M.	QUA. TITY OF POWDER.	WEIGHT OF BULLET.	CONTENTS OF CASE.	GROSS WEIGHT OF CASE.	NET WEIGHT OF CASE.	PAIRED SHELLS.	BULLETS.
				Grains.	Grains.	M.	Lbs.	Lbs.	Per M.	Per M.
I	29	Extra Long.....	\$18 00	9	45	5	...	...	\$9 00	\$2 50
D	32	Short, Colt's.....	11 00	9	80	5	88	88	6 00	3 00
D	32	Long.....	12 00	13	90	5	100	98	6 50	3 00
D	32	Smith & Wesson.....	11 00	10	88	5	99	98	6 00	3 00
E	32	Harrington & Richardson.....	14 00	15	88	5	110	101	7 50	4 50
E	32	Colt's Lightning Rifle.....	18 00	20	118	2	59	58	9 00	4 50
E	32	Winchester.....	18 00	20	116	2	59	58	9 00	4 50
F	32-30	Remington.....	25 00	30	125	1	43	31	11 00	7 00
F	32-40	" Grooved.....	27 00	40	150	1	...	...	15 00	7 25
F	32-40	" Patched.....	27 00	40	155	1	...	...	15 00	9 50
F	32	Extra Long, Ballard.....	18 00	18	105	3	81	73	8 00	3 50
E	32	" Smith & Wesson Rifle.....	20 00	17	98	3	85	80	10 00	6 00
E	32-44	S. & W. Gallery, Round Ball.....	18 00	6	50	1	48	44	10 00	4 00
D	32-44	S. & W. Target.....	19 00	11	83	3	...	...	10 00	5 00
D	32	Smith & Wesson.....	18 50	15	146	2	65	59	7 50	4 50
D	32	Merwin Hulbert & Co.....	18 50	15	142	2	63	58	8 00	4 50
D	32	Short.....	18 50	15	125	4	111	104	7 00	4 00
E	32	Long, for Colt's D. A. and other Pistols.....	14 50	18	150	3	98	91	7 50	4 50
E	32	Colt's Lightning Rifle.....	19 00	40	190	2	95	84	10 00	5 00
E	32	Winchester.....	19 00	40	190	2	95	84	10 00	5 00
E	32	Extra Long.....	23 00	31	149	2	81	73	11 00	5 00
D	41	Short, Colt's Single Action.....	15 00	15	163	2	67	62	7 50	4 00
D	41	" Double ".....	15 00	15	163	2	68	62	7 50	4 00
D	41	Long ".....	17 50	22	198	2	83	77	8 00	6 00
D	44	Smith & Wesson No. 3, American.....	19 00	23	218	2	92	85	8 50	6 00
G	44	" " 3, Russian.....	20 00	23	256	2	107	100	9 50	6 50
G	44	S. & W. Gallery, Round Ball.....	22 00	7	120	2	...	...	9 50	6 00
E	44	Merwin, Hulbert & Co.....	20 00	28	222	2	98	88	10 00	6 50
E	44	Colt's.....	20 00	38	210	2	95	86	10 00	6 00
E	44	Long, Ballard.....	22 00	35	227	2	99	98	9 50	6 00
E	44	Extra Long, Wesson.....	30 00	50	257	2	122	110	14 00	9 00
E	44	" Ballard.....	30 00	50	265	2	125	114	14 00	9 00
E	44	Colt's Lightning Rifle.....	19 00	40	200	2	106	98	10 00	6 00
E	44	Winchester.....	19 00	40	200	2	106	98	10 00	6 00
E	44	Evan's New Model.....	26 00	43	275	3	126	114	11 00	8 00
E	44	" Old ".....	22 00	33	220	3	95	87	9 50	6 50
E	44	Webley.....	18 50	19	200	2	83	77	8 00	6 00
E	44	Bull Dog.....	14 50	15	170	2	70	64	7 50	5 00
E	44	Webley.....	20 00	20	230	2	97	90	9 50	6 00
E	45	Smith & Wesson.....	25 00	30	250	2	110	108	10 50	7 00
G	45	Colt's U. S. A.....	22 00	40	250	2	117	108	10 50	7 00
A	50	Pistol.....	28 00	20	300	1	71	62	13 00	8 00

Blank Cartridges same List as Ball Cartridges.

Central-Fire Metallic Cartridges for Target and Sporting Rifles.

PRIMER USED.	CALIBER.	FOR PRIMER USED, SEE LIST OF PRIMERS.	PR. M.	LENGTH SHELL.	QUANTITY POWDER.	WEIGHT OF BULLET.	DESCRIP- TION OF BULLET.	CONTENTS OF CASE.	GROSS WEIGHT OF CASE.	NET WEIGHT OF CASE.	SHELLS.	BULLETS.
				Inches.	Grains.	Grains.		M.	Lbs.	Lbs.	Per M.	Per M.
F	32-40	Marlin and Ballard.....	\$27 00	2 1/4	40	165	Grooved.....	1	56	49	\$15 00	\$7 25
F	32-40	Ballard.....	27 00	2 1/4	40	185	Patched.....	1	58	51	15 00	9 75
F	32-40	Ballard Rifle.....	31 50	1 1/2	45	190	Grooved.....	1	67	50	20 00	7 25
F	32-45	".....	31 50	1 1/2	45	190	".....	1	74	53	20 00	3 00
F	32-55	Marlin and Ballard.....	33 00	2 1/4	55	255	".....	1	74	63	18 00	9 50
F	32-55	Ballard, straight shell.....	33 00	2 1/4	55	255	Patched.....	1	74	63	18 00	11 00
F	32-36	Rem. Hepburn No. 3, Rifle.....	31 50	1 1/2	36	245	Grooved.....	1	60	61	20 00	9 50
F	32-36	" " Patched.....	31 50	1 1/2	36	255	Patched.....	1	60	61	20 00	11 00
F	32-50	Remington Hepburn Patched.....	35 00	2 1/4	50	255	".....	1	60	61	20 00	11 00
F	32-50	".....	35 00	2 1/4	50	245	Grooved.....	1	60	61	20 00	9 00
H	32-50	Winchester Express.....	50 00	3 1/4	90	217	".....	1	60	61	20 00	9 50
A	40-50	Sharp and Remington, straight.....	35 00	1 1/2	50	265	Patched.....	1	74	64	20 00	11 00
A	40-65	".....	40 00	2 1/4	65	330	".....	1	83	84	22 00	11 50
A	40-70	".....	40 00	2 1/4	70	330	".....	1	98	82	22 00	11 50
A	40-50	" only, necked.....	35 00	1 1/2	50	265	".....	1	73	65	20 00	11 00
A	40-70	".....	40 00	2 1/4	70	330	".....	1	98	88	21 00	11 50

ELEY BROS.' GUN WADS



HARVEY'S GUN WADS CO.

BLACK EDGE
IN BOXES OF 250.

No. 4	per 1000, \$
No. 6	per 1000,
No. 7 and 8	per 1000,
No. 9 and 10	per 1000,
No. 11 to 20	per 1000,

PINK EDGE

IN BOXES OF 250.

No. 4	per 1000, \$
No. 6	per 1000,
No. 7 and 8	per 1000,
No. 9 and 10	per 1000,
No. 11 to 20	per 1000,

CARDBOARD

IN BOXES OF 1000.

No. 7 and 8	per 1000, \$
No. 9 and 10	per 1000,
No. 11 to 20	per 1000,

WHITE FELT, 3/8 INCH THICK.

THESE ARE TO BE USED OVER POWDER ONLY, AND ARE PACKED IN HALF-POUND BAGS.

No. 4	per pound, \$
No. 7 and 8	per pound,
No. 9 and 10	per pound,
No. 11 to 20	per pound,

Please order B. E., P. E. and C. B. Wads by the thousands, and White Felt Wads by pounds.



PERCUSSION CAPS.



U. M. C. GROUND EDGE.



F. C. TRIMMED EDGE















	TRADE MARK.	Per M.	Contents of case.	Gross Weight of case.	Net Weight of contents.
F. C. Trimmed edge Percussion Caps, in tenth tin boxes.....			M.	Lbs.	Lbs.
F. C. Trimmed edge Percussion Caps, Central Fire, in tenth tin boxes..			100	67	55
			100	67	55
	TRADE MARK				
U. M. C. ground edge Foil-Lined Water-proof, in quarter tin boxes.....			100	90	80
U. M. C. Ground edge Foil-Lined Water-proof, in tenth tin boxes.....			100	100	84
U. M. C. Ground edge, Foil-Lined Water-proof, Central Fire, in quarter tin boxes.			100	78	67
U. M. C. Ground edge, Foil-Lined Water-proof, Central Fire, in tenth tin boxes..			100	98	83
When ordering, state if Gr und Edge or Trimmed Edge is desired.					
U. M. C. DOUBLE WATERPROOF.					
In quarter boxes.....			100	110	98
In tenth boxes.....			100	119	104
COLT'S PISTOL CAPS.					
Central Fire, Extra heavy, in quarter boxes.			100	67	
" " " " " " " " " " " " " " " "			100	70	56



U. M. C. MUSKET CAPS.

In quarter boxes, tin.....
In tenth boxes.....
Caps are packed in cases of 100 M, the
numbers corresponding with the English.
Small. Large.
Nos. 9, 10, 11. Nos. 18, 12, 13, 14.

U. M. C. PRIMERS.

PRIMERS.		Per M.	Weight lb.
A.	 Berdan Primer, No. 1, for Sporting and Military Cartridges.....		120
A.	 Berdan Primer, No. 14, for Metallic Shot Shells.....		85
B.	 Berdan Primer, No. 2.....		52
C.	 U. M. C. Primer, No. O. O.....		50
D.	 U. M. C. Primer, No. O.....		57
E.	 U. M. C. Primer, No. 1.....		68
F.	 U. M. C. Primer, No. 14, Brass.....		63
G.	 U. M. C. Primer, No. 2, Copper, for Shot Shells.....		67
H.	 U. M. C. Primer, No. 24, Brass, for Sporting and Military Cartridges.....		80
The C. & L. C. Nos. 2 and 24, will interchange with same size of other makers.			
Exact size of U. M. C. Primer No. 2.		Enlarged view, showing Improved Anvil	
   			
GUARANTEED SURE FIRE.			
	Breech Loading (B. L.) Shell Caps.....		
Oreant Primers.....			67
Alien Primers.....			84
All Primers are Packed 100 M in a case.			

PRICES ON APPLICATION.

ELEY BROS.' PERCUSSION CAPS.



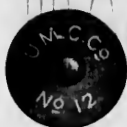
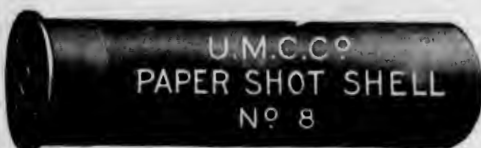
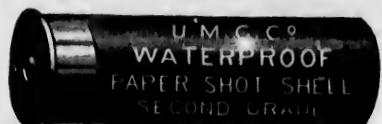
E. B.

Packed 100 in a box, 10 boxes or 1000 in package.

SMALL.	LARGE.		
No. 9, 10, 11.	No. 12, 13, 14, 18.		
Price per thousand or 10 boxes	-	-	\$
Eley's Primer's per 1000	-	-	\$



Paper Shot Shells.



FIRST GRADE.

U. M. C. No. 1 PRIMER.

	Per M.
Paper Shells, No. 20, gauge 2 1/2 inches.....	\$10 00
" " 16, " 2 1/4 "	10 00
" " 14, " 2 1/8 "	10 00
" " 12, " 2 1/2 "	11 00
" " 12, " to 3 1/2 "	12 00
" " 10, " 2 3/4 and 2 1/2 inches.....	12 00
" " 10, " to 3 1/2 inches.....	13 00
" " 8, " 8 1/2 "	25 00
" " 8, " 4 "	28 00
" " 4, " 4 " Steel reinforced.....	45 00

"STAR" BRAND.

	Per M.
Star Paper Shells, 10, 2 1/2 U. M. C. No. 2 Primer.....	\$12 00
" " " 10, 2 1/2 " " "	12 00
" " " 12, 2 1/2 " " "	11 00



"CLUB" QUALITY.

	Per M.
Club Paper Shells, 10, 2 1/2 U. M. C. No. 2 Primer.....	\$9 00
" " " 10, 2 1/2 " " "	9 00
" " " 12, 2 1/2 " " "	8 00
" " " 14, 2 1/2 " " "	7 50
" " " 16, 2 1/2 " " "	7 50
" " " 20, 2 1/2 " " "	7 50

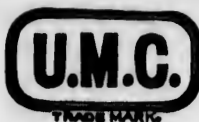
ELY BROS.

PAPER SHOT SHELLS

	Per M.
No. 1, gauge 2 1/2 inches	8
" " " 2 1/4 "	
" " " 2 1/8 "	

YACHT GUN.

	Per M.
Yacht Cannon, Paper Shells, 8 1/2 x 1 1/2.....	\$120 00
" " 8 1/2 x 1 1/2, loaded.....	220 00
" " 5 x 1 1/2.....	150 00
" " 5 x 1 1/2, loaded.....	250 00



Brass Shot Shells.



BEST QUALITY.

Using U. M. C. No. 2 Primer.

	Each.
No. 20, length 2 $\frac{1}{8}$ inches.....	\$0 10
" 16, " 2 $\frac{1}{8}$ "	10
" 14, " 2 $\frac{1}{8}$ "	10
" 12, " 2 $\frac{1}{8}$ and 2 $\frac{1}{2}$ inches.....	10
" 12, " 2 $\frac{1}{8}$ to 3 $\frac{1}{8}$ "	10 $\frac{1}{2}$
" 10, " 2 $\frac{1}{8}$ inches.....	10
" 10, " 2 $\frac{1}{8}$ to 3 $\frac{1}{8}$ inches.....	10 $\frac{1}{2}$
" 8, to 8 inches.....	18
" 8, length 8 $\frac{1}{8}$ to 8 $\frac{1}{2}$ inches.....	20
" 4, " 4 inches.....	28



CLUB.

Using U. M. C. No. 2 Primer.

	Each.
No. 12, length 2 $\frac{1}{8}$ inches.....	\$0 08
" 12, " 2 $\frac{1}{8}$ "	08
" 12, " 2 $\frac{1}{8}$ "	08
" 10, " 2 $\frac{1}{8}$ "	08
" 10, " 2 $\frac{1}{8}$ "	08
" 10, " 2 $\frac{1}{8}$ "	08

STURTEVANT.

Using Breech-Loading Shell Cap.

	Each.
No. 20, length 2 $\frac{1}{8}$ inches.....	\$0 10
" 16, " 2 $\frac{1}{8}$ "	10
" 14, " 2 $\frac{1}{8}$ "	10
" 12, " 2 $\frac{1}{8}$ and 2 $\frac{1}{2}$ inches.....	10
" 12, " 2 $\frac{1}{8}$ to 3 $\frac{1}{8}$ "	10 $\frac{1}{2}$
" 10, " 2 $\frac{1}{8}$ inches.....	10
" 10, " 2 $\frac{1}{8}$ to 3 $\frac{1}{8}$ inches.....	10 $\frac{1}{2}$
" 8, to 8 inches.....	18
" 8, length 8 $\frac{1}{8}$ to 8 $\frac{1}{2}$ inches.....	20

Brass shells are packed 25 in a box
1,000 in a case.

Brass shells with Kenny's patent indentation to prevent the wads starting, each
1 cent extra, net.

Nickel plating each 2 1-2 cents extra,
net.

LOADED PAPER SHOT SHELLS


IMPROVEMENTS PATENTED MAY 17TH 1866. MARCH 18TH 1881

LOADED WITH EXTRA QUALITY "DUCKING" POWDER, CARDSQARD, AND TWO EXTRA FINE FELT WADS.

FOR TRAP AND FIELD SHOOTING.

- | | | |
|-------|---|-------------|
| No. 1 | 12 Gauge, loaded with $3\frac{1}{4}$ drams of Powder and 1 ounce of No. 8 Shot, for Quail, Woodcock, Snipe, Partridge, etc. | per 100, \$ |
| No. 2 | 10 Gauge, loaded with 4 drams of Powder and $1\frac{1}{8}$ ounces of No. 8 Shot, for Quail, Woodcock, Snipe, Partridge, etc. | per 100, |
| No. 3 | 12 Gauge, loaded with $3\frac{1}{4}$ drams of Powder and $1\frac{1}{8}$ ounces No. 5 Shot, for Mallard, Pintail and other Duck Shooting | per 100, |
| No. 4 | 10 Gauge, loaded with $4\frac{1}{8}$ drams of Powder and $1\frac{1}{4}$ ounces No. 5 Shot, for Mallard, Pintail and other Duck Shooting | per 100, |

GUN IMPLEMENTS

GUN CLEANING RODS AND IMPLEMENTS.



PATENT CUT TELESCOPE SCREW THREE JOINTED.

INCLUDING SWAB, SCRATCH BRUSH, WIPER AND WORMER.

- No. 20 Cherry, Brass Trimmings and Implements per dozen, \$

Half-dozen in a box.

CLEANERS

ADJUSTABLE TO CLEANING RODS, FIELD AND BREECH CLEANERS.



GX No. 1.



GX No. 2.



GX No. 3.



GX No. 4.

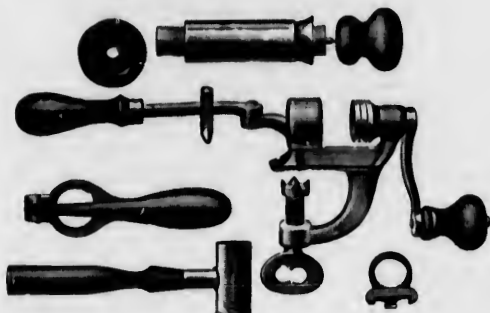
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|----------|---|---------------|
| GX No. 1 | Wool Yarn Swabs, Brass Shank | per dozen, \$ |
| GX No. 2 | Wire Scratch Brush, Brass Shank | per dozen, |
| GX No. 3 | Wormer Polished Steel | per dozen, |
| GX No. 4 | Flannel Wiper, Single Slot, Brass Shank | per dozen, |

Three dozen in a box.

GUN IMPLEMENT SETS

LOADING SETS 10 AND 12 GAUGE.

PACKED NEATLY IN STRONG PAPER BOXES.

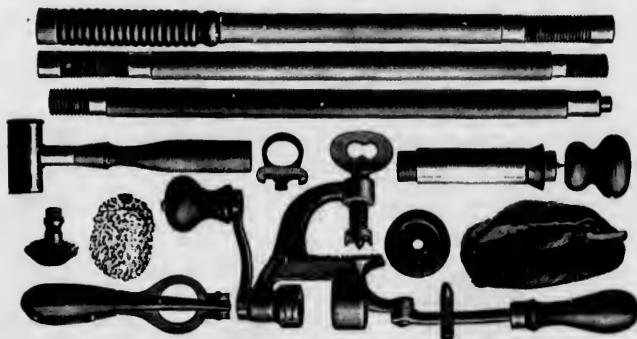


Set SX No. 3.

- | | | |
|----------|---|--------------------|
| SX No. 2 | For Brass Shells, containing Loader, Recapper, Extractor and Measure | per dozen sets, \$ |
| SX No. 3 | For Brass and Paper Shells, containing Loader, Bench Closer, Recapper, Extractor and Measure | per dozen sets, |
| SX No. 5 | For Brass and Paper Shells, containing Loader, Bench Closer, Recapper, Extractor, Measure, and Union Loading Block No. 02 | per dozen sets, |

LOADING AND CLEANING SETS

10 AND 12 GAUGE.



Set SX No. 1.

- | | | |
|----------|---|--------------------|
| SX No. 4 | For Brass Shells containing Loader, Recapper, Extractor, Measure, and Rod with Swab, Scratch Brush and Wiper | per dozen sets, \$ |
| SX No. 1 | For Brass and Paper Shells, containing Loader, Bench Closer, Recapper, Extractor, Measure, and Rod with Swab Scratch Brush and Wiper | per dozen sets, |
| SX No. 6 | For Brass and Paper Shells, containing Loader, Bench Closer, Recapper, Extractor, Measure, and Rod with Scratch Brush, and Wiper and Union Loading Block No. 01 | per dozen sets, |

POWDER AND SHOT MEASURES



No 1 Cherry Rammer Handle, Brass Cup, Polished and Nickel Plated, $2\frac{1}{2}$ to 5 dr., 1 to $2\frac{1}{4}$ oz., per dozen, \$

One dozen in a box.

LOADERS



EAGLE LOADER No. 6.

AX No. 6 Hardwood, Polished, Nickel Spun Tube and Fine Steel Expelling Pin, 10 and 12 Gauge, per dozen, \$

BENCH CLOSERS



No. 1 Malleable Iron, Red Japanned, Hardwood Trimmings, 10 and 12 Gauge - - per dozen, \$

RECAPPERS



No. 1	Iron, Japanned, 12 and 10 Gauge	-	-	-	-	-	-	per dozen, \$
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SHELL EXTRACTORS



DX No. 1 Folding Pocket, Brass, Nickel Plated, 12 and 10 Gauge - . - . - per dozen, \$

D No. 3	Hook Shell Extractor, Nickeled, 12 and 10 Gauge	-	-	-	-	-	per dozen,
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IDEAL RELOADING SETS

RELOADING TOOLS FOR WINCHESTER RIFLE.



A—Opening Mouth of Shell. B—Bullet Mould.
C—Re-Capping. D—Loading Chamber. E—Bullet Sizer.

[illegible]

"Ideal" Reloading Sets, Winchester, 44 Calibre	per set,
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GUN MATERIAL

GUN NIPPLES.

No. 100 Square Shoulder, Blue, Taper, assorted sizes per gross, \$

RAMROD HEADS.

No. 0 Brass Open End Ramrod Head, assorted per gross, \$
 No. 1 Brass Solid End Ramrod Head, assorted per gross.

WORMERS.

No. 10 Small Brass Wormers per gross, \$
 No. 20 Large Brass Wormers per gross,

WAD CUTTERS.

No. 8' or 9 Gauge, Steel Wad Cutters per dozen, \$
 No. 10 to 20 Gauge, Steel Wad Cutters per dozen,

BULLET MOULDS.

No. 30 Assorted Bullet Moulds, No. 32 to 150 per dozen, \$
 No. 32 Assorted Bullet Moulds, No. 21 to 30 per dozen,
 No. 34 Assorted Bullet Moulds, No. 17 to 20 per dozen,
 No. 36 Assorted Bullet Moulds, No. 12 to 16 per dozen,

NIPPLE WRENCHES.



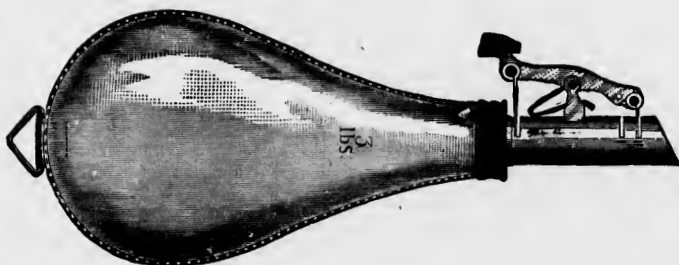
No. 40 Muzzle-Loading Nipple Wrench, Wood Handle per dozen, \$
 No. 45 Muzzle-Loading Nipple Wrench, all Steel, T Handle per dozen,
 No. 45 Breech Loading Nipple Wrench, Ebonized Handle per dozen,

SHOT BELTS.



No. 52 Single Belt, Lever Charger per dozen, \$
 No. 252 Double Belt, Lever Charger per dozen,

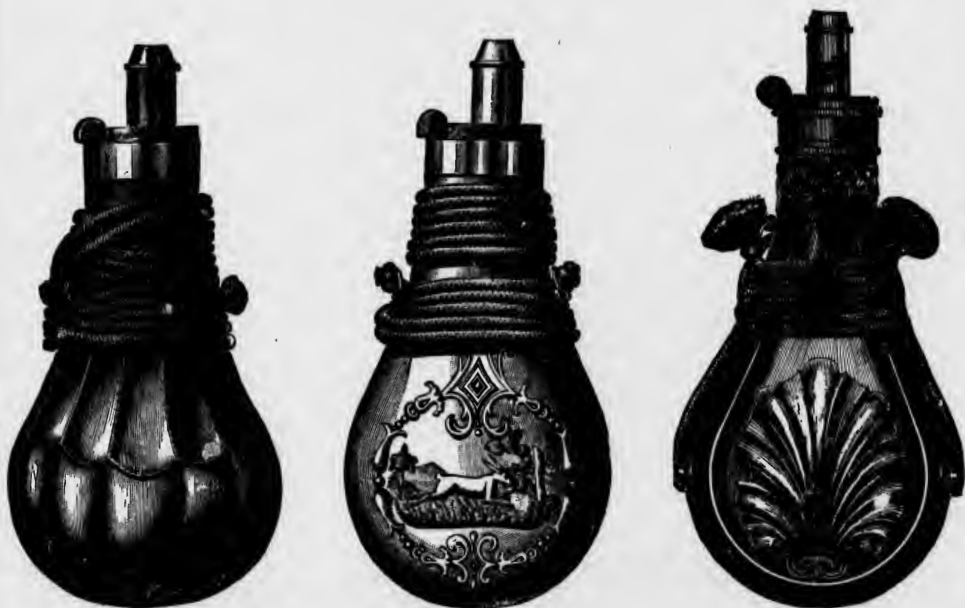
SHOT POUCHES



PER DOZEN.				
No. 2 C	2½ lb.,	Lever Charger, Solid Leather, Plain..	.....	\$6 75
No. 2 C	3 lb.,	" " " " " " " " " " " "	.....	7 50
No. 2 C	4 lb.,	" " " " " " " " " " " "	.....	8 25

PER DOZEN.				
No. 20 2	5 lb.,	Lever Charger, Solid Leather, Pattern.....	.....	\$9 75
No. 3	3 lb.,	" " " " Morocco, Plain.....	.....	7 87
No. 4	4 lb.,	" " " " " " " " " " " "	.....	9 00

POWDER FLASKS

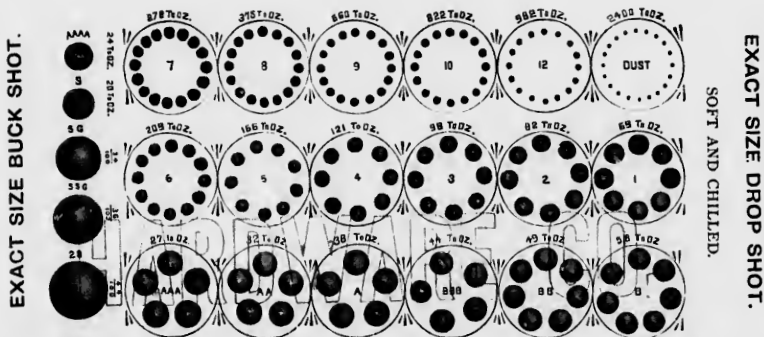


Nn. 61 J	English, 2 oz.,	Graduated Top, Outside Spring, Cords	.....	per dozen, \$ 2 10
No. 14	" 8 oz.,	" " " " " " " " " " " "	.....	per dozen, 3 37
No. 14	" 10 oz.,	" " " " " " " " " " " "	.....	per dozen, 3 60
No. 58 J	" 10 oz.,	" " " " " " " " " " " "	.....	per dozen, 3 75
No. 58 J	" 12 oz.,	" " " " " " " " " " " "	.....	per dozen, 4 05
No. 45 B	" 8 oz.,	" " " " " " " " " " " "	.....	per dozen, 4 27
No. 45 B	" 10 oz.,	" " " " " " " " " " " "	.....	per dozen, 5 25
No. 45 B	" 12 oz.,	" " " " " " " " " " " "	.....	per dozen, 6 37
No. 311	" 8 oz.,	" " " " " " " " " " " "	.....	per dozen, 5 62
No. 311	" 10 oz.,	" " " " " " " " " " " "	.....	per dozen, 6 60
No. 124 P	" 8 oz.,	Patent Screwoff Graduated Top, Inside Spring, Cords, Copper	.....	per dozen, 12 00
No. 124 P	" 10 oz.,	" " " " " " " " " " " "	.....	per dozen, 12 90

SHOT SOFT AND CHILLED HOBBS

SAMPLE CARD OF SHOT.

COPYRIGHT SECURED.



PRICE LIST OF SHOT.

Nos. AAA, to Dust	per lb., 6c.
Buck, S, SG, SSG, AAAA	per lb., 7c.
Ball, No. 28	per lb., 7½c.

"BRISTOL" CHILLED SHOT—Advance ½c. per lb. on above.

"NEWCASTLE" CHILLED SHOT—Lowest market rates.

A reliable authority recommends the use of the following sizes of Drop Shot as best suited for the game mentioned, and gives preference to the numbers enclosed in brackets. For Ducks—Nos. 4, [5], [6] or 7. For Geese—Nos. 1, [2] or 3. For Prairie Chickens—Nos. 5, 6, [7] or [8]. For Wild Pigeons, Quail and Plover—Nos. 7, [8] or 9. For Snipe—Nos. 8, 9 or [10]. For Wild Turkeys and Swans—Nos. BB, [B] or 1. For Rabbits—Nos. 6, [7] or [8]. For Squirrels—Nos. 5, [6] or 7.

❖ KING'S ❖

STRONGEST



... BEST ...

POWDER COMPANY



❖ POWDER ❖

HOBBS HARDWARE CO.

SOLE AGENTS FOR CANADA

LONDON, - - - ONTARIO.

THE KING'S POWDER COMPANY POWDER

In all the following sizes, both Blasting and Sporting, the grain is liable to slight variations in process of separation, but the diagrams are sufficiently correct for all practical purposes.

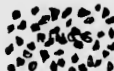
SIZES OF ROYAL RIFLE POWDER.



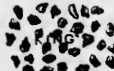
FFFG.



FFG.



FG.



CG.

The popular Powder for every-day shooting. HARD, CLEAN, STRONG AND RELIABLE. Excelled by no common sporting powder, and equal to many high-priced brands.

SIZES OF "QUICK SHOT" POWDER.



No. 1.



No. 2.



No. 3.

FOR TRAP AND WING SHOOTING.

SIZES OF "FAR KILLING" POWDER.



No. 3.



No. 4.



No. 5.

The purest and most expensive materials are used in its composition, and the most scientific and exacting attention given to every detail in its production. It is fitted for the very finest of shooting. This is put up only in pound and half-pound canisters, and quarter and half kegs. Takes place of all high grade English Powders, such as Curtis & Harvey's Pique, and Wilkes & Lawrence.

This Powder, introduced the past season, has already gained a foremost place, both at the trap and for field service.

SIZES OF MINING AND BLASTING POWDER.

WELL KNOWN AND POPULAR AMONG MINERS AND CONTRACTORS THROUGHOUT THE UNITED STATES AND CANADA.



FFF.

For Mining very Soft or Seamy Coal.



FF.

For Mining Soft Coal and Breaking Stone.



F.

For Mining Hard Coal and General Blasting.



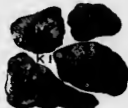
C.

For Railroad Excavations, Iron Mining and Quarrying Hard Stone.



CC.

For Granite and Heavy Blasting.



CCC.

For Copper Mining and very Heavy Blasting.

KING'S ROYAL RIFLE.

Kegs,	25 lbs. each	FFFG, FFG, FG, CG, each,	\$
Half Kegs,	12½ " " " "	" " " " " " each,	
Quarter Kegs,	6¼ " " " "	" " " " " " each,	
Cases 1 lb. Canisters,	24 in a case	.....per can,	
Cases, ½ lb. Canisters,	48 in a case	.....per can,	

KING'S QUICK SHOT.

Kegs,	25 lbs. each,	Nos. 1, 2, 3.....each,	\$
Half Kegs,	12½ " " " "	Nos. 1, 2, 3.....each,	
Quarter Kegs,	6¼ " " " "	Nos. 1, 2, 3.....each,	

KING'S "FAR KILLING" POWDER.

Half Kegs,	12½ lbs. each,	Nos. 3, 4, 5.....each,	\$
Quarter Kegs,	6¼ " " " "	Nos. 3, 4, 5.....each,	
Cases 1 lb. Canisters,	24 in a case	.....per can,	
Cases ½ lb. Canisters,	48 in a case	.....per can,	

CANADIAN

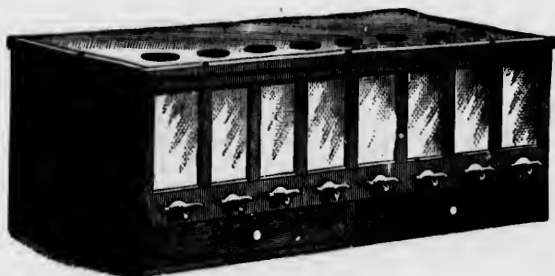
SPORTING AND BLASTING POWDERS.

Blasting, in kegs.....	\$
FF, in kegs and cases.....	
FFF, in kegs and cases.....	
Nor'west Rifle, in kegs.....	
Nor'west Rifle, in cases of four 6¼ lb. metal kegs.....	
Canada Rifle, Nos. 1 to 7, in kegs.....	
Canada Rifle, Nos. 1 to 7, cases of 2 doz. 1 lb. canisters.....	
Duckling, Nos. 3 to 7, cases of four 6¼ lb. metal kegs.....	
Caribou, Nos. 1 to 7, cases of dozen 1 lb. canisters.....	

AMERICAN SAFETY FUSE.

Hemp.....	per 1,000 feet, \$
Single Tape.....	per 1,000 feet,
Double Tape.....	per 1,000 feet,

DUNSCOMB'S SHOT CASE



This Case is for holding and displaying Shot, and is PERFECT in PREVENTING Shot from getting mixed. There are eight compartments. The compartments have an inclined bottom, with a movable cut off spout to draw the shot from. Manufactured of the best material, and has double-thick glass windows. Contains two drawers for holding Gun Caps, Cartridges, etc. Takes up very little room. Size, 2 feet long, 9 inches deep, and 13½ inches high. Strong and durable. Packed in shipping order, one case in a box.

No. 20 Dunscomb's Shot Case each, \$

BELTS.



No. 00 Shell Belts, Brown Webbing, with Straps per dozen, \$
 No. 1 Shell Belts, Leather per dozen,

MACRAME, AND HAMMOCK CORDS.

Cream White Macrame, in Hanks, Nos. 9, 12, 16 and 32 per lb., \$
 Colored Macrame, in ¼ Balls, packed 2 lbs. in Box per lb.,

COTTON SEINES TWINE.

MEDIUM LAID.

No. of Thread,	6	9	12	16	20	24	28	30	36	40	48	60	72
Per pound,	\$												

PUT UP IN HANKS.

DRAB COTTON FISH LINES

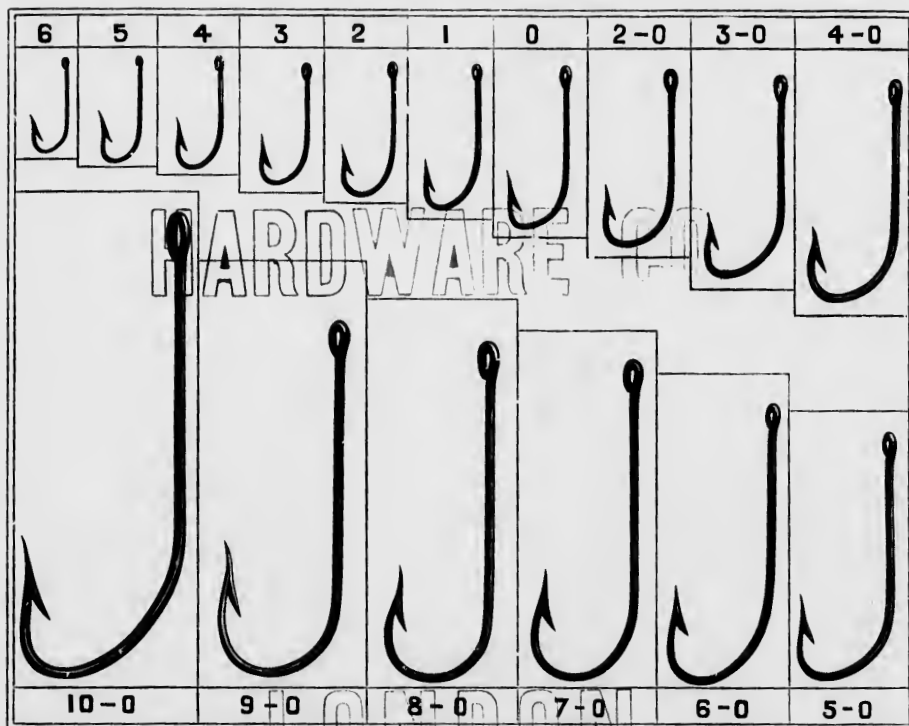
IN FIFTEEN-FOOT HANKS.



Nos.	1	2	3	4	5	6	7	9
Per gross,	\$1 20	1 30	1 40	1 50	1 65	1 80	2 00	2 20

One dozen Hanks joined in bundle, half gross in Box.

FISH HOOKS



KIRBY LIMERICK FISH HOOKS.

Nos.	4	5	4	3	2	1	0	2-0	3-0	4-0	5-0	6-0	7-0	8-0	9-0	10-10
Per 100,	\$															

In Boxes of 100 and Packages of 1,000.

PALMER'S PATENT HAMMOCKS



PALMER'S PATENT ARROWWANNA HAMMOCK.

Packed in Bales of three or four dozen.

				Per doz.					Per doz.
No. 1	Width 28 in.,	Length 48 in.,	Pillow and Spreader	\$10 00	No. 1 D	Without Pillow and Spreader			\$ 8 00
No. 2	" 34 in.,	" 68 in.,	" " " "	12 00	No. 2 D	" " " "			9 60
No. 2 C	" 34 in.,	" 68 in.,	" " " "	15 00	No. 2 CD	" " " "			12 00
No. 3	" 37 in.,	" 71 in.,	" " " "	18 00	No. 3 D	" " " "			15 00
No. 4	" 40 in.,	" 74 in.,	" " " "	22 00	No. 4 D	" " " "			18 00
No. 4 A	" 40 in.,	" 74 in.,	" " " "	25 00	No. 4 AD	" " " "			21 00

Extra Spreaders \$1.00 per dozen for Nos. 1, 2 and 3.



PALMER'S PATENT ROYAL HAMMOCK.

Packed in Bales of two or three dozen.

				Per doz.					Per doz.
No. 5 A	Width 40 in.,	Length 74 in.,	Pillow and Spreader	\$30 00	No. 5 CD	Without Pillow and Spreader			\$25 00
No. 5 A	" 41 in.,	" 75 in.,	" " " "	30 00	No. 5 AD	" " " "			25 00
No. 7, Royal	" 48 in.,	" 78 in.,	" " " "	33 00	No. 7 D	" " " "			27 00

Extra Spreaders \$1.25 per dozen for Nos. 4 and 5.

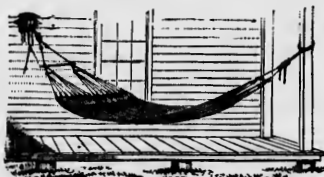


PALMER'S PATENT O SOCIAL HAMMOCK.

Packed in Bales of one or two dozen.

				Per doz.					Per doz.
No. 70	With Wood Bar, Width 48 in.,	Length 78 in.,	with Pillow and Spreader	\$36 00	No. 70 D	Without Pillow and Spreader			\$30 00
No. 8 A	With Wood Bar, Width 52 in.,	Length 78 in.,	with Pillow and Spreader	\$42 00	No. 8 AD	Without Pillow and Spreader			36 00

Extra Spreaders \$1.50 per dozen for Nos. 7, 70 and 8.



PALMER'S PATENT OO SOCIAL HAMMOCK.

Packed in Bales of one-half or one dozen.

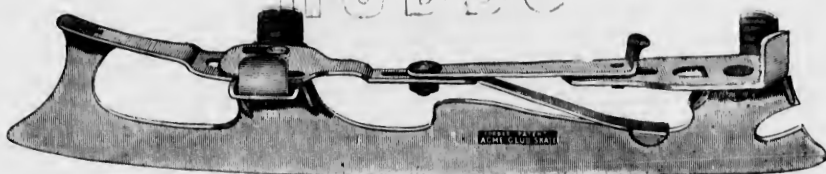
SOCIAL	Width 60 in.,	Length 84 in.,	with two Pillows and two Spreaders	per dozen, \$48 00
Subject to discount				

All Hammocks carried in stock have Patent Pillow Attachment, Pillow and one Spreader. Beware of imitations of this style of Hammocks; with or without pillows they are infringements. Dealers are forbidden to remove the patent label.

“ACME” SKATES

871

FORBES' PATENT.
HUBBS

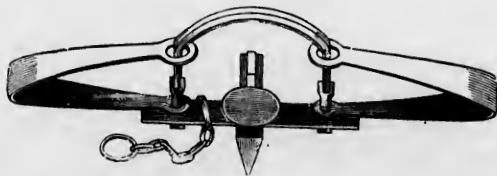
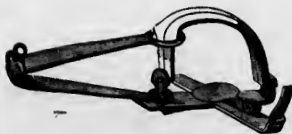


- No. 0 This is our cheapest quality, made of all Steel. Introduced to meet the demand for thoroughly reliable low priced Skate. We have yet to receive a complaint against this Skate price per pair, **90c.**
- No. 3 Nickel Plated. Same quality as above only Nickel Plated, thus ensuring freedom from rust price per pair, **\$1 50**
- No. 5 Made of the best material, though not hardened. Working parts equal to the best. Superior in point of finish to No. 0 price per pair, **1 80**
- No. 7 Runners Welded Iron and Steel of very highest quality, thoroughly tempered. Every Skate tested before leaving our works. Experts pronounce them the best Skates made price per pair, **2 90**
- No. 10 Same as No. 7, with tops and runners Nickel Plated, thus improving their appearance price per pair, **3 90**
- No. 12 Same as No. 7, tops and runners Silver Plated price per pair, **4 65**
- No. 14 Same as No. 7, tops Gold and runners Silver Plated price per pair, **5 15**
- SKELETON SKATES—Made with Steel Plates to screw on boot. Runners Welded Iron and Steel, highly tempered, of same quality as No. 7 price per pair, **2 00**

EXTRA PARTS FOR “ACME” SKATES.

No. 0 Wrenches	per dozen, \$	Lug Nuts	per dozen, \$
Toe Clamps or Lugs	per dozen, 3 50	Lug Screws	per dozen, 7 50
Heel Buttons	per dozen, 9 00	Links, assorted lengths	per dozen, 16 50
Link Nuts	per dozen, 12 00	Lever, assorted lengths	per dozen, 280 00
Link Screws	per dozen, 14 50		

THE “NEWHOUSE” STEEL TRAPS



PRICE LIST OF STEEL TRAPS.

WITHOUT CHAINS.

No. 0	Rat or Gopher	per dozen, \$	3 25
No. 1	Muskat	per dozen, 3 50	
No. 1½	Mink	per dozen, 6 00	
No. 2	Fox	per dozen, 9 00	
No. 2½	Otter, with Teeth	per dozen, 16 65	
No. 3	Otter	per dozen, 12 00	
No. 4	Beaver	per dozen, 14 50	
No. 4	Deer, with Teeth	per dozen, 16 50	
No. 5	Bear, with Chains	per dozen, 140 00	

WITH CHAINS.

No. 0	Rat or Gopher	per dozen, \$	4 25
No. 1	Muskat	per dozen, 4 65	
No. 1½	Mink	per dozen, 7 50	
No. 2	Fox	per dozen, 10 50	
No. 2½	Otter, with Teeth	per dozen, 18 50	
No. 3	Otter	per dozen, 13 75	
No. 4	Beaver	per dozen, 16 50	
No. 4	Deer, with Teeth	per dozen, 18 50	
No. 6	Bear	per dozen, 280 00	

TRAPS

WIRE CAGE RAT OR GOPHER TRAPS.



No. 5 6 x 11 inch, Wire Sides and Ends, Wood Bottom

No. 6 7 x 13 inch, Wire Sides and Ends, Wood Bottom

per dozen, \$

per dozen,

THE DELUSION MOUSE TRAP.



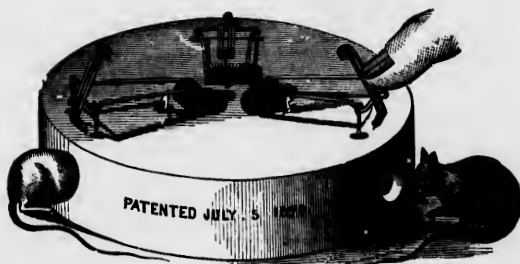
SELF-SETTING, PERFECT IN OPERATION.

The Delusion Mouse Trap

per dozen, \$

WOOD MOUSE TRAPS.

PATENT SELF-ADJUSTING TRAPS.



COMMON TRAPS.



Patent Self-adjusting Traps

Common Round Traps

Common Square Traps

Holes,
per dozen, \$
per dozen,
per dozen,

1

2

3

4

METALLIC MOUSE TRAP



"The Hotchkiss" Metallic Mouse Trap, 5 Holes

per dozen, \$

Nickel Plated Chain Dog Collars.

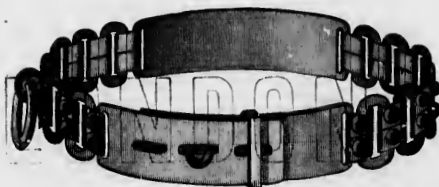
HARDWARE CO.



- No. 80 Assorted, 9, 11, 13, 15 inch
No. 80 Assorted, 14, 16, 18, 20 inch, Square Links, Nickel and Gilt

per dozen, \$
per dozen,

Fancy Metal Dog Collars.



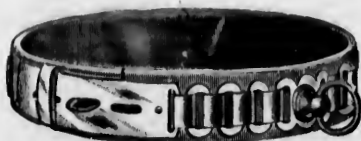
FANCY METAL.

- No. 80½ Assorted, 9 to 15 inches, Nickerled
No. 87 Assorted, 14 to 20 inches, Nickerled

per dozen, \$
per dozen,

NICKEL PLATED CHAIN DOG COLLARS

LINED WITH FANCY LEATHER.



- | | | |
|---------|--|---------------|
| No. 465 | Assorted, 14, 16, 18 and 20 inch, Nickeled | per dozen, \$ |
| No. 460 | As No. 465, only with Square Link | per dozen, |



FANCY LEATHER DOG COLLARS.

- | | | |
|--------|--|---------------|
| No. 24 | Fine Enameled Leather, Raised Edges and Centre, German Silver Trimmings, length 9 to 13 inches | per dozen, \$ |
| No. 25 | Enameled Leather, assorted Colors, German Silver Trimmings, length 9 to 13 inches | per dozen, |
| No. 40 | Fancy Red Leather, with Highly Polished Plates, 9 to 13 inches, | per dozen, |

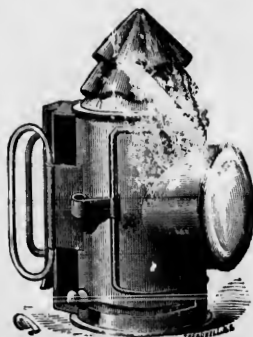
DOG COUPLES.

- | | |
|-----------------------------------|---------------|
| Light Chain Couples, with 2 Snaps | per dozen, \$ |
| Heavy Chain Couples, with 2 Snaps | per dozen, |



HAND CUFFS.

- | | |
|----------------------|--------------|
| Hand Cuffs, Polished | per pair, \$ |
| Hand Cuffs, Nickeled | per pair, |
| Leg Irons, Polished | per pair, |



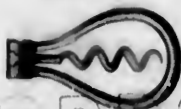
POLICE LANTERNS.

- | | | |
|--------|-----------------|---------------|
| No. 50 | Police Lanterns | per dozen, \$ |
|--------|-----------------|---------------|

CORK SCREWS

875

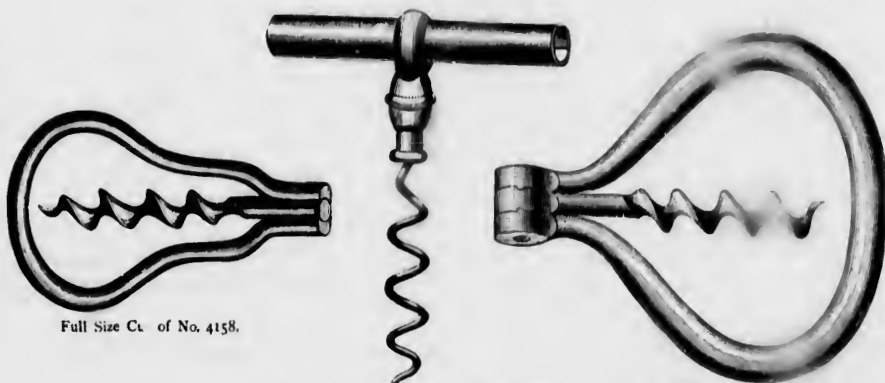
POCKET.



Full Size Cut of No. 340.

No. 340 (Vial), Nickel Plated

per dozen, \$1 80



Full Size Cut of No. 4158.

Full Size Cut of No. 252.

Full Size Cut of No. 4159.

- No. 4158 Folding Pocket Cork Screws, Nickel Plated
- No. 4159 Folding Pocket Cork Screws, Nickel Plated
- No. 252 Cased Pocket Cork Screws, Nickel Plated
- No. 15352 Folding Pocket Cork Screws, in Leather Case

per dozen, \$1 25
per dozen, 1 05
per dozen, 1 00
per dozen, 3 80

WIRE HANDLES AND SCREW.



Half Size Cut of No. 9900.

PATENT CORK SCREWS.



Half Size Cut of Nos. 9920 and 700.

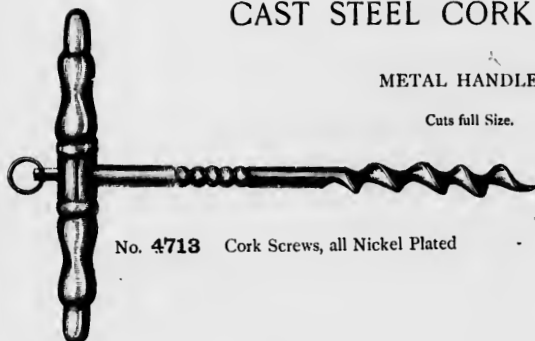
- No. 9900 Cork Screws, Heavy Wire, Polished
- No. 9920 Patent Cork Screws, Rosewood Handles, Nickel Plated Frame
- No. 700 Patent Cork Screws, with Spring, Rosewood Handle, Nickel Plated Frame

per dozen, \$0 55
per dozen, 4 50
per dozen, 5 85

SUPERIOR
CAST STEEL CORK SCREWS

METAL HANDLES.

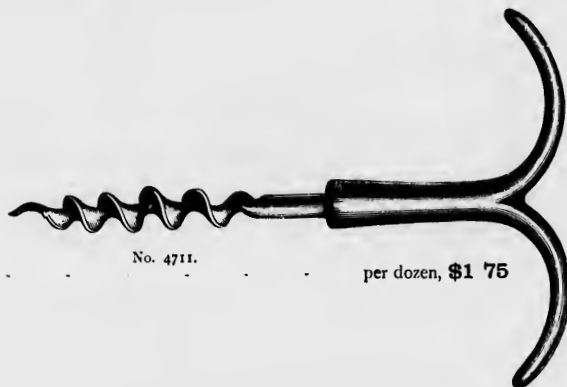
Cuts full Size.



No. 4713.

No. 4713 Cork Screws, all Nickel Plated

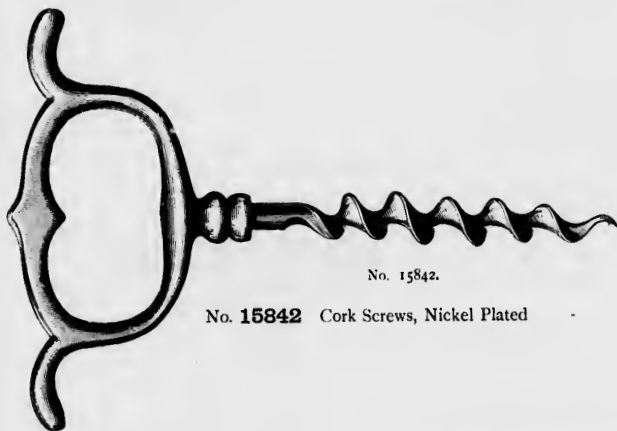
per dozen, \$1 75



No. 4711.

No. 4711 Cork Screws, Nickel Plated

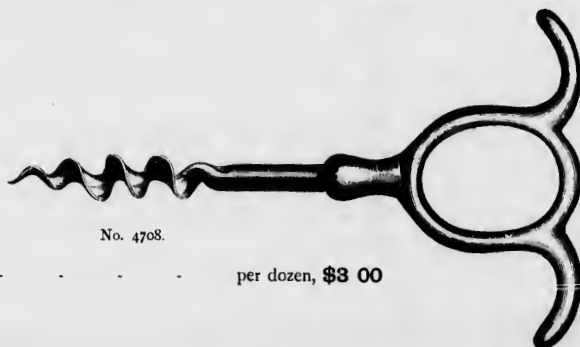
per dozen, \$1 75



No. 15842.

No. 15842 Cork Screws, Nickel Plated

per dozen, \$2 25



No. 4708.

No. 4708 Cork Screws, Nickel Plated

per dozen, \$3 00

SUPERIOR
CAST STEEL CORK SCREWS

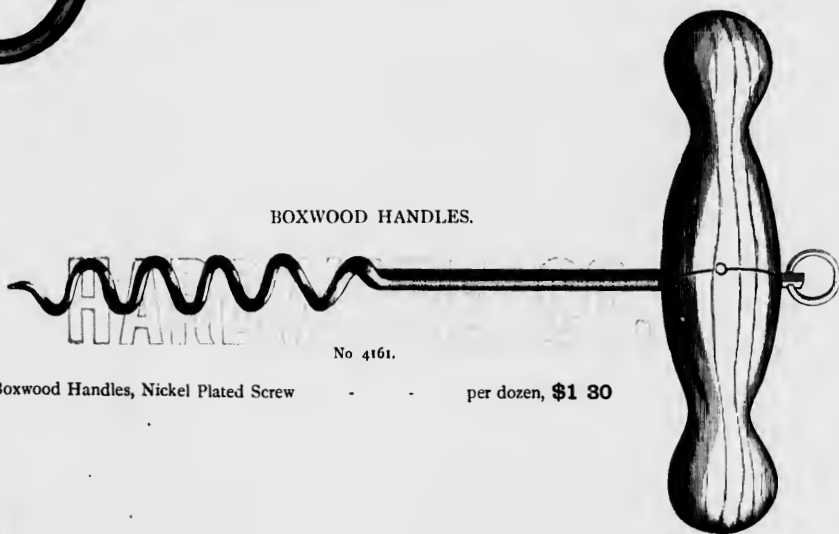
METAL HANDLES.



No. 9910.

No. 9910 Cork Screws, Nickel Plated - - - per dozen, \$3 75

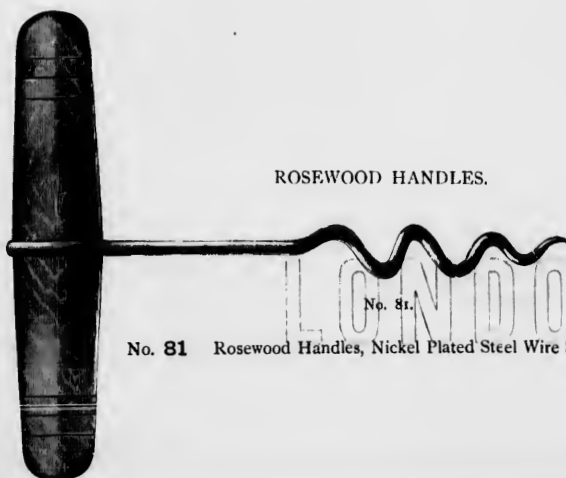
BOXWOOD HANDLES.



No. 4161.

No. 4161 Boxwood Handles, Nickel Plated Screw - - - per dozen, \$1 30

ROSEWOOD HANDLES.



No. 81.

No. 81 Rosewood Handles, Nickel Plated Steel Wire Screw - - - per dozen, \$1 30

EXTRA HEAVY
CAST STEEL CORK SCREWS
BAR-KEEPERS.

ROSEWOOD HANDLES.

Cut full Size.

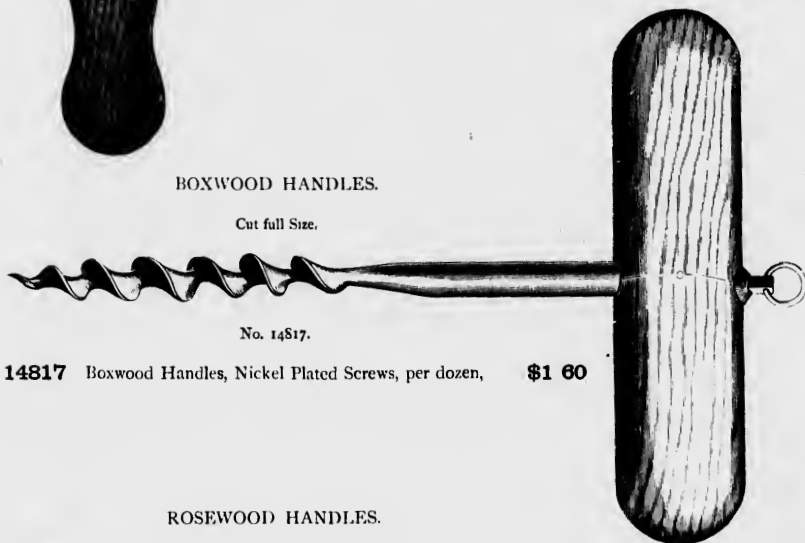


No. 4169.

No. 4169 Rosewood Handles, Nickel Plated Screws, per dozen, \$2 50

BOXWOOD HANDLES.

Cut full Size.



No. 14817.

No. 14817 Boxwood Handles, Nickel Plated Screws, per dozen, \$1 60

ROSEWOOD HANDLES.

Cut half Size.



No. 1016 Rosewood Handles, Nickel Plated Frame and Screw per dozen, \$9 38

SPECTACLES

879



- No. 1122 Blue Steel Frames, assorted Glasses
 No. 152 Blue Steel Frames, assorted Glasses
 No. 436 Folding Eye Glasses, Steel Frames, assorted

per dozen, \$
 per dozen,
 per dozen,

SPECTACLE CASES



Full Size Cut of No. 1.

- No. 1 Leatherette Spectacle Cases, assorted Colors
 No. 2 Wood Spectacle Cases, Varnished
 No. 7489 Paper Mache, Black, Imitation Inlaid Tortoise

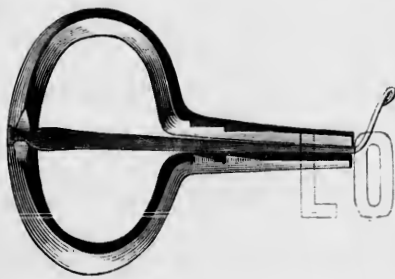
per dozen, \$
 per dozen,
 per dozen,

GOGGLES



GOGGLES.

- Goggles—White, Blue or Green Glass per dozen, \$
 Goggles—All Wire per dozen,
 One pair each in tin box extra per dozen, \$0 25 net
 One pair each in leather case extra per dozen, 1 00 net



No. 7674.

JEW'S HARPS

- | | | | |
|----------|--------|-------------------|---------------|
| No. 7670 | Size 0 | Iron Jew's Harps | per gross, \$ |
| No. 7671 | Size 1 | Iron Jew's Harps | per gross, |
| No. 7672 | Size 2 | Iron Jew's Harps | per gross, |
| No. 7673 | Size 3 | Iron Jew's Harps | per gross, |
| No. 7674 | Size 4 | Iron Jew's Harps | per gross, |
| No. 7675 | Size 3 | Brass Jew's Harps | per gross, |
| No. 7676 | Size 4 | Brass Jew's Harps | per gross, |

BIRD CAGES

JAPANNED. SOLD BY CASE ONLY.

No. 86—Diam. $8\frac{1}{2}$ inches. Each, \$1 20.

No. 15—Diam. 8 inches. Each, \$1 44.



No. 10—Diam. 9 inches. Each, \$1 73.

No. 67— $7\frac{1}{2} \times 7\frac{1}{2}$ inches. Each, \$0 80.

No. 24—8 x 8 inches. Each, \$0 95.

No. 17— $7\frac{1}{2} \times 9\frac{1}{4}$ inches. Each, \$0 98.

No. 1—Diam. $7\frac{1}{2}$ inches. Each, \$0 68.
 No. 2—Diam. 8 inches. Each, 77.
 No. 3—Diam. $8\frac{1}{2}$ inches. Each, 88.

No. 74— $8\frac{1}{4}$ inches square. Each, \$1 32.

No. 19—8 x $10\frac{1}{2}$ inches. Each, \$1 20.
 No. 20— $8\frac{1}{2} \times 11$ inches. Each, 1 35.

CASE A.

Case A One dozen in a case, as above

per case, \$13 30

BIRD CAGES

881

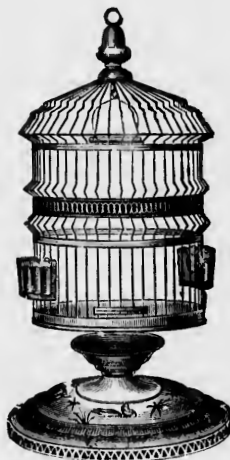
JAPANNED. SOLD BY CASE ONLY



No. 4—Diameter 9 inches.
Each, \$1 03.



No. 116—9½ x 12 inches.
Each, \$1 70.



No. 26—Diameter 9 inches.
Each, \$1 95.



No. 110—8½ x 11 inches.
Each, \$1 70.



No. 78—7½ x 9¼ inches.
Each, \$1 57.



No. 5—Diameter 10 inches.
Each, \$1 25.

CASE B.

1½ dozen in case. Case contains the above and all of Case A, page 880.

All our cages are of American manufacture, and are far superior both in make and finish to Canadian.

Case B 1½ dozen in case

per case, \$22 50

BIRD CAGES

JAPANNED.



No. 108—9½ inches square.
Each, \$2 68.



No. 6—Diameter 8 inches.
Each, \$0 90.



No. 14—8 inches square.
Each, \$1 85.



No. 94—9¾ inches square
Each, \$2 10.



No. 56—7½ x 10½ inches.
Each, \$1 85.



No. 85—8 x 11 inches.
Each, \$2 78.

CASE C.

Two dozen in case. Case contains the above and all of Cases A and B, pages 880 and 881.

Case C Two dozen in a case

per case, \$34 75

SOLD BY CASE ONLY.

BIRD CAGES

JAPANESE
HOBBS.

No. 78— $7\frac{1}{4}$ x $9\frac{1}{4}$ inches.
Each, \$1 56.



No. 67— $7\frac{1}{2}$ x $7\frac{1}{2}$ inches.
Each, \$0 80.



No. 17— $7\frac{1}{2}$ x $9\frac{1}{4}$ inches.
Each, \$0 98.

HARDWARE CO.



No. 127— $8\frac{3}{4}$ x 11 inches.
Each, \$1 63.



No. 116— $9\frac{1}{2}$ x $11\frac{1}{4}$ inches.
Each, \$1 70.



No. 16— $6\frac{1}{4}$ x 8 inches.
Each, \$0 76.

SEE NEXT PAGE

BIRD CAGES

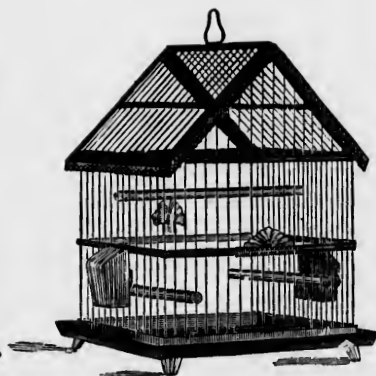
JAPANNED. SOLD BY CASE ONLY.



No. 74—8¼ inches square.
Each, \$1 32.



No. 103—8 x 10½ inches.
Each, \$1 40.



No. 119—8¼ x 11 inches.
Each, \$1 62.



No. 66—8 x 9¼ inches.
Each, \$1 28.



No. 24—8 x 8 inches.
Each, 93c.



No. 120—10 x 10 inches.
Each, \$1 52.

CASE D.

ONE DOZEN IN CASE, AS SHOWN ABOVE AND ON PAGE 883.

Case D 1 dozen Square Bird Cages per case, \$15 50

BIRD CAGES

885

CASE E.



No. 6—Diameter 8 inch. Each, \$1 00.



No. 3—Diameter 8½ inch. Each, \$0 90.



No. 5—Diameter 10 inch. Each, \$1 25.



No. 20—8½ x 11 inch. Each, \$1 36.



No. 87—Diameter 9 inch. Each, \$1 28.



No. 67—7½ x 7½ inch. Each, \$0 80.



No. 16—6¼ x 8 inch. Each, \$0 78.



No. 116—9½ x 11¼ inch. Each, \$1 70.



No. 126—8 x 10½ inch. Each, \$1 45.

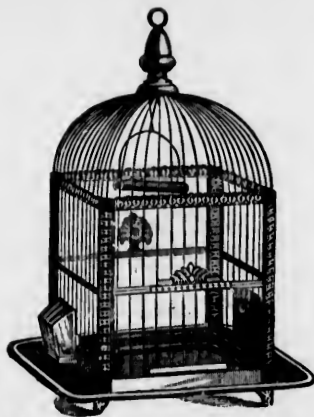
SEE NEXT PAGE.



No. 77— $7\frac{1}{2} \times 9\frac{1}{4}$ inch. Each, \$1 48.



No. 112— $8 \times 10\frac{1}{2}$ inch. Each, \$1 78.



No. 30 (new)— $8\frac{1}{4}$ inches square. Each, \$1 53.



No. 121— $8\frac{1}{4} \times 13\frac{1}{4}$ inch. Each, \$2 95.
Fancy Ornamented Bottom.



No. 224—Diameter 9 inch. Each, \$3 35.
All Brass, Highly Polished Bottom.



No. 450— $7\frac{1}{2} \times 9\frac{1}{4}$ inches. Each, \$2 20.
Brass Cage, Japan'd Fancy Ornamented Bottom



No. 206—Diameter $8\frac{1}{4}$ inch. Each, \$2 36.
All Brass, Highly Polished Bottom.



No. 117— $9\frac{1}{2}$ inches square. Each, \$2 78.

SOLD BY CASE ONLY.



No. 420—Diameter 8 inch. Each, \$1 45.
Brass Cage, Japan'd Fancy Ornamented Bottom.

Case E Contains 14 well-selected Japan Cages, 2 all Brass, 2 Brass with fancy ornamented Japan Patterns, as above and on page 885... per case, \$30 40

BIRD CAGES

887

JAPANNED.



No. 17—7½ x 10 inches.
Each, 98c.



No. 20—8½ x 11½ inches.
Each, \$1 35.



No. 116—9½ x 11½ inches.
Each, \$1 70.
FANCY ORNAMENTED BOTTOM.

HARDWARE CO.



No. 16—6¼ x 8 inches.
Each, 79c.
STAMPED BOTTOM.



No. 19—8 x 10½ inches.
Each, \$1 20.



No. 145—6¼ x 9¼ inches.
Each, 98c.

LONDON
CASE F.
ONE-HALF DOZEN IN CASE, AS ABOVE.

Case F Half dozen in Case

per case, \$7 00

SOLD BY CASE ONLY.

BIRD CAGES

JAPANNED. SOLD BY CASE ONLY.



No. 144— $10\frac{1}{2}$ x $10\frac{1}{2}$ inches.
Each, \$1 70.
FANCY ORNAMENTED BOTTOM.



No. 142— $8\frac{1}{2}$ x $8\frac{1}{2}$ inches.
Each, \$1 20.



No. 143— $9\frac{1}{4}$ x $9\frac{1}{4}$ inches.
Each, \$1 38.
FANCY ORNAMENTED BOTTOM.



No. 67— $7\frac{1}{2}$ x $7\frac{1}{2}$ inches.
Each, 80c.
STAMPED BOTTOM.



No. 120—10 x 10 inches.
Each, \$1 52.
STAMPED BOTTOM.



No. 24—8 x 8 inches.
Each, 95c.
STAMPED BOTTOM.

CASE G.

ONE-HALF DOZEN IN CASE.

Case G Half dozen in Case as above,

per case, \$7 55

ENGLISH AND BELGIAN

WINDOW, PICTURE, COACH, CAR, ENAMELLED, STAINED ENAMELLED AND COLORED

SHEET GLASS

ALSO ROLLED, ROUGH CAST, BRITISH POLISHED PLATE, FLUTED, ROLLED CATHEDRAL TINTS,
AND EVERY DESCRIPTION OF FANCY GLASS.

In presenting this third edition of our Glass Tariff, would direct your notice to some of the points deserving special attention. We are the largest importers and dealers in Glass in the Dominion, and, as we carry large quantities, both of Sheet, Plate and Fancy Glass in stock, we are able to execute our orders with promptitude and despatch. We claim for our Glass that it is more brilliant in surface, lighter in color, has fewer defects, and is of more even thickness than most that is imported into the country.

Our Cases are the best made, and those containing Double, Treble-thick and Fancy Glass have wider Batons on them, consequently the percentage of broken lights is far less in our packages than those sold by other houses.

In explanation of terms used by the trade, we would say that "United Inches" means the length and width of lights added together, for instance: 8 x 10 (18 united inches), and all sizes not exceeding 25 united inches up to 10 x 15, are priced and come under the break of 25 united inches; size, say 12 x 24 (36 united inches), come under 25 to 40; size 20 x 30 (50 united inches) come under 40 to 50, etc.

Breaks, or Brackets, are the divisions the manufacturers make in sizes of sheet glass, and are as follows:

1st Break embraces all sizes up to 25 United Inches			
2	"	"	from 26 to 40 United Inches
3	"	"	" 41 to 50 " "
4	"	"	" 51 to 60 " "
5	"	"	" 61 to 70 " "
6	"	"	" 71 to 80 " "
7	"	"	" 81 to 85 " "
8	"	"	" 86 to 90 " "
9	"	"	" 91 to 95 " "

10th Break embraces all sizes from 96 to 100 United Inches			
11	"	"	" 101 to 105 " "
12	"	"	" 106 to 110 " "
13	"	"	" 111 to 115 " "
14	"	"	" 116 to 120 " "
15	"	"	" 121 to 125 " "
16	"	"	" 126 to 130 " "
17	"	"	" 131 to 135 " "
18	"	"	" 136 to 140 " "

Sheet Glass is made of six different thicknesses, three of which are in general demand, and for which we quote prices. The demand for 32, 36 and 42 oz. is always for special purposes, and we can only quote prices on receipt of particulars of sizes, qualities and thicknesses required.

16 oz., averaging 16 oz. to the foot and 1-13 inch thick, known as single thick.	
21 oz., " 21 oz. " " 1-10 " " double " "	
28 oz., " 28 oz. " " 1-8 " " treble " "	
32 oz., " 32 oz. " " 2-13 " " " "	
36 oz., " 36 oz. " " 1-6 " " " "	
42 oz., " 42 oz. " " 1-5 " " " "	

RAILROAD, CAR COACH, CASKET AND SHOW CASE GLASS.

We have very fine double and treble-thick for above purposes, which we are furnishing the largest railroads and manufacturers in the country with.

LIST FOR THIRD QUALITY, 21 oz., DOUBLE DIAMOND STAR.

BREAKS.	SIZES.	LIST.
1	14 to 25	\$ 7 00 per case of 100 feet
2	26 to 40	7 50 " " "
3	41 to 50	8 75 " " "
4	51 to 60	10 00 " " "
5	61 to 70	11 50 " " "
6	71 to 80	12 50 " " "
7	81 to 85	14 00 " " "
8	86 to 90	17 50 " " "
9	91 to 95	22 00 " " "

BREAKS.	SIZES.	LIST.
10	96 to 100	\$26 00 per case of 100 feet
11	101 to 105	28 50 " " "
12	106 to 110	33 50 " " "
13	111 to 115	38 00 " " "
14	116 to 120	43 00 " " "
15	121 to 125	48 00 " " "
16	126 to 130	53 00 " " "
17	131 to 135	58 00 " " "
18	136 to 140	63 00 " " "

When asking for quotations of Polished Plate Glass be sure and state number of plates required, as well as thickness and sizes, as price depends largely on quantity, thickness and size.

Polished Plate is made in four thicknesses: 3/16, 1/4, 5/16 and 3/8. The last named size is rarely called for, unless for extra large plates for store fronts.

Fractional parts of inches will be charged at the price of the next highest even inches, thus 3 1/4 x 4 1/2 inches is 3 x 42.

IRREGULAR SHAPES.—Panels which are of irregular shape are charged as the full size of the squares required to cut them.

An additional 10 per cent. will be charged for all sheet glass more than 40 inches wide. All sizes above 52 inches in length, and not making with width more than 80 United Inches, will be charged in the 85 inch Break.

When ordering Fancy Glass, please use the number marked on samples, and avoid risk of breakage and save expense of mailing samples, showing patterns required.

To suit the convenience of some of our friends who do not wish to buy full cases of each kind of Colored Glass, we can ship 100 feet cases containing a good assortment of the colors that are in almost every day demand.

PLATE GLASS MIRRORS SILVERED AND BEVELLED ON THE PREMISES. Any size or design supplied to order with promptness and despatch, and at the lowest prices. Don't purchase Plate Mirrors without applying to us; we are headquarters for glass of every description.

WE HAVE ENTERED LARGELY INTO THE MANUFACTURE OF CHURCH WINDOWS. Estimates given on special designs. Shall be pleased to furnish designs of Memorial and Chancel Windows at prices to suit purchasers. The approval of our patrons has been so marked in the other departments of our immense glass business that we have entered into this department. By so doing we can furnish everything needed in glass for dwellings and public buildings. We illustrate on pages Nos. 908 and 909 a few designs of Leaded Glass Work in Door Panels and Fanlights, also for Store Fronts (910), and on pages Nos. 911, 912 and 913 we show some new designs for churches, both plain and decorative. Purchasers can rely on the work in this department being first-class in every particular. Special designs made to order on short notice.

As we have our glass put up by experienced packers we make no allowance for breakage. Bills of lading being guarantee of good order when shipped, and all sheet glass shipped at customer's risk.

Commencing on next page is a complete list of sizes, showing the breaks of United Inches they are in, the number of lights in case, also RETAIL PRICES by the light of **Star, Diamond Star, Double Diamond Star, and 28-oz. Glass.**

For orders cut to sizes we allow a trade discount off these prices.

SUGGESTIONS AND EXPLANATIONS OF PAGES 902 TO 907 INCLUSIVE.

Do not cut the patterns from book. Order by number of pattern only, and thus keep the book in good order for your next customer.

Give full size of Glass and depth of Rabbet.

If the Rabbet is not the same on the sides as it is on top and bottom, state how much it is in each place.

If no Rabbet is given we will allow for one-half inch Rabbet all around.

If the openings to be filled with glass have any **peculiar shape** it is better to send a **full size diagram** of such shape, showing both the edge of the glass and the edge of the moulding

If no shape is given we will assume the glass to be square at all corners.

If any initial or other lettering is shown on the pattern selected, be sure to state what initial or lettering is wanted, and also say which measure is the height of glass.

When glass is wanted to match a former order it is necessary to give the name and date of former order, and if this cannot be had it is necessary for us to have a "rub" or a tracing of the pattern. We will be pleased to send instructions as to how to make "rubs" at any time.

These designs can be adapted to any reasonable size or shape.

Special designs and estimates for same furnished on application.

Monograms, initials or any desired lettering can be inserted in almost any of these patterns.

We can and will make any other pattern you may want, either from our old pattern sheets, or from any pattern sheet, but we prefer to fill orders from this sheet, because we can ship more promptly.

Almost any of these patterns can be made the reverse of the engravings (that is, clear glass where the cut shows ground glass, or vice versa) when so ordered, without extra charge.

When ordering be sure to state which way you wish your glass made, that is whether you want ground glass where ground glass is shown on the engravings, or the reverse.

Any of these designs can be made on Plate Glass.

Any of these designs can be made on Ruby, Blue, Yellow, Green or Purple Glass when so wanted, and unless otherwise ordered we leave the body of the glass colored in such cases.

SEND SHIPPING DIRECTIONS WITH THE ORDER.

PLATE GLASS



WE carry the largest stock of British Plate Glass in Ontario. As we purchase for cash in large quantities we at all times get the lowest market prices, and thus are enabled to quote bottom figures for any specification submitted to us. The delivery and Insurance of Plate Glass are special features with us, we can deliver Plate Glass at the store front anywhere within 100 miles of London by our Plate Glass Wagon (cut of which is given above) and if so desired will furnish prices for Glass placed in position, thus relieving the purchaser of expense of unloading from car, cost of teaming, and risk in transit from cars to building, and placing the same in store front. We will also insure Plate Glass supplied by us against breakages for from one to three years at special rates. A practical man is at the head of this department and satisfaction is guaranteed. Do not purchase Plate Glass before applying to us, we can supply any and all sizes in 1/4, 5/16 and 3/8 inch thick from stock.

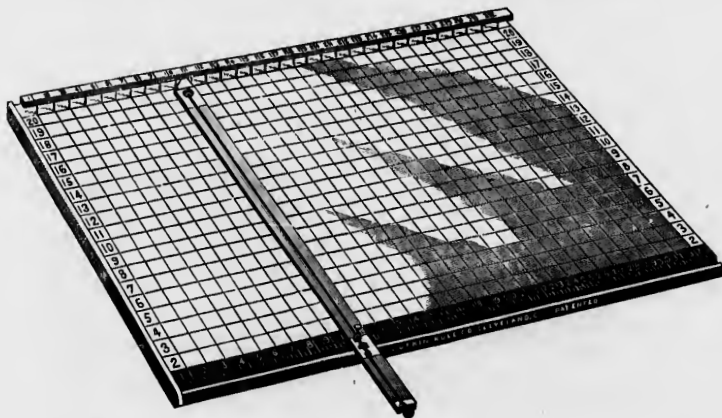
MIRROR PLATES

OUR OWN SILVERING.

BRITISH PLATE, BEST GERMAN PLATE, AND SHOCKS.

Our stock of Glass for silvering is carefully selected from the best makers. This department is in charge of a skilled "Silverer," and we will spare no expense to finish our goods fully equal to any of imported silvering. Parties using bevelled Glass will find our prices much lower than elsewhere. We bevel all our own Glass, thus are not restricted to certain stock sizes, but can furnish any size glass, with bevel to suit purchaser.

THE "PERFECTION" GLASS BOARD



Glaziers, retailers of Window Glass, and all those who are cutting constantly odd sizes, will at once appreciate the advantages of the "Perfection" Glass Board for this purpose.

IT FILLS A LONG FELT WANT—A PERFECT GLASS CUTTER'S BOARD.

It insures accuracy, saves time, and prevents breakage.

It is a well known fact that there is a large percentage of breakage in cutting glass to size. Why? Because you find it so awkward with the old style of home-made board, holding the straight edge with one hand while you use the diamond with the other. You are sure to let it slip before you make a full cut. It is almost impossible to cut large glass without the assistance of a second person. The "Perfection" holds the rule firmly at both ends for any length of cut. It is quickly adjusted, easily understood, and perfectly accurate. It not only holds the rule for even inches, but also for any fraction of an inch. It will save you money. **YOU CANNOT AFFORD TO BE WITHOUT IT.**

A DESCRIPTION OF THE "PERFECTION" GLASS BOARD.

The board is made of well seasoned hard wood, made up of narrow strips, each piece having a longitudinal channel cut in the back to prevent warping and will always remain true. It is ruled from side to side both ways, dividing the board into



LOWER SIDE OF RULE.



UPPER SIDE OF RULE.

even inches. At the top is a series of perpendicular pins, one for each inch, at the bottom a corresponding series of horizontal pins. The rule is provided at each end with a laterally adjustable gauge, connected with and moved simultaneously equal distances by a connecting rod. This device is an improvement on our old method of moving each gauge independently, as it is impossible with this connecting rod to move one gauge more than the other. When even inches are to be cut these gauges are brought even with the right hand side of the rule. The wedge shaped point is inserted between the perpendicular pins and the plug at the other end of the rule is dropped between the horizontal pins at the desired inch. This holds the rule firmly on the line, allowing for the width of the diamond. It is done in much less time than it takes to tell. We will illustrate how the fractions of an inch are obtained by giving an example. Supposing we have a light of glass to cut $35\frac{3}{8}$ inches in length. We insert the point of the rule between the pins at the 35th inch. When we release the connecting rod by loosening the set screw, then by turning the thumb nut on the end of connecting rod we move the rule forward to the proper place by which to cut the glass exactly $35\frac{3}{8}$ inches in length. These points will be readily understood by referring to the cut.

PRICE LIST.

SIZE OF BOARD	24 X 36,	-	-	-	-	-	-	EACH
"	30 X 48,	-	-	-	-	-	-	"
"	36 X 54,	-	-	-	-	-	-	"
"	42 X 60,	-	-	-	-	-	-	"
"	48 X 72,	-	-	-	-	-	-	"

OTHER SIZES TO ORDER.

WINDOW GLASS.

UNITED INCHES.	SIZES.	PRICE PER LIGHT.				UNITED INCHES.	SIZES.	PRICE PER LIGHT.				
		LIGHTS PER BOX.						LIGHTS PER BOX.				
		STAR.	DIAMOND STAR.	DOUBLE DIAMOND STAR.	28 OUNCE.			STAR.	DIAMOND STAR.	DOUBLE DIAMOND STAR.	28 OUNCE.	
		100 FEET.					100 FEET.					
14 to 25	7 x 9	229	3	3½	4½	51 to 60	16 x 36	25	\$0 30	\$0 39	\$0 59	
	8 x 10	180	4	4½	5½		38	24	32	41	62	
	9 x 12	134	5½	6	7½		40	23	34	42	64	
	10 x 12	120	6	6½	8½		42	21	36	46	70	
	14	103	7	8	10		44	20	39	49	74	
26 to 40	8½ x 21	81	9	11	14	61 to 70	46	20	42	50	84	
	10 x 16	90	8	9	12½		48	19	45	59	88	
	18	80	9	10	14		50	18	47	62	93	
	20	72	10	11½	15½		52	17	49	65	1 00	
	22	65	11	12½	17		54	16	52	70	1 06	
41 to 50	24	60	12	14	18½	26 to 40	18 x 20	40	18	21	27½	
	26	55	13	15	20		22	36	20	23	31	
	28	51	14	16	21½		24	33	22	27	39	
	30	48	15	17	23		26	31	24	29	41½	
	32	45	17	20	28½		28	29	26	31	46	
26 to 40	34	42	18	22	30½	41 to 50	30	27	27	33	48	
	36	40	20	24	32		32	25	30	36	51	
	12 x 14	86	8	9½	13		34	24	32	41	62	
	16	75	9	11	14½		36	22	34	45	67	
	18	67	11	12	16½		38	21	36	47	70	
41 to 50	20	60	12	14	18½	51 to 60	40	20	38	49	74	
	22	55	13	15	20		42	19	41	51	78	
	24	50	14	16	22		44	18	45	61	93	
	26	46	15	18	24		46	17	47	62	97	
	28	43	16	19	26		48	16	49	65	1 00	
51 to 60	30	40	18	22	32	61 to 70	50	16	52	70	1 05	
	32	38	19	24	34		52	15	55	75	1 15	
	34	35	21	26	37		54	15	60	78	1 23	
	36	33	22	27	39		56	14	63	85	1 35	
	38	32	24	29	40		58	14	66	88	1 45	
26 to 40	40	30	26	30	49	71 to 80	60	13	70	90	1 50	
	14 x 16	64	11	13	17½		41 to 50	20 x 22	33	22	23	39
	18	57	12	14	19½			24	30	25	27	43
	20	51	13	16	21½			26	28	27	32	47
	22	47	14	17	24			28	26	29	35	50
41 to 50	24	43	16	19	26	51 to 60		30	24	31	38	54
	26	40	17	21	27½		32	23	33	42	64	
	28	37	19	24	35		34	21	36	46	70	
	30	34	22	26	38		36	20	38	48	74	
	32	32	23	28	40		38	19	41	51	78	
51 to 60	34	30	24	30	42	61 to 70	40	18	44	54	82	
	36	28	26	31	46		42	17	49	65	97	
	38	27	28	36	55		44	16	52	68	1 00	
	40	26	29	38	56½		46	16	54	71	1 05	
	42	24	31	45	61		48	15	57	75	1 12	
61 to 70	44	23	36	48	64	71 to 80	50	14	61	80	1 20	
	46	22	39	52	67		52	14	63	85	1 30	
	48	21	42	55	81		54	13	65	90	1 40	
	50	20	44	58	85		56	13	70	95	1 50	
	15 x 17	56	13	15	20		58	12	75	1 05	1 55	
26 to 40	18	53	14	17	21	41 to 50	60	12	80	1 10	1 70	
	20	48	15	18	23		22 x 24	27	28	33	48	64
	22	44	16	19	25		26	25	30	36	52	70
	24	40	17	21	27½		28	23	33	39	56	75
	26	37	20	24	36		30	22	35	44	67	90
41 to 50	28	34	22	26	39	51 to 60	32	20	38	49	74	
	30	32	23	28	41		34	19	41	51	78	
	32	30	25	30	43		36	18	43	54	82	
	34	28	26	32	47		38	17	45	57	86	
	36	27	28	37	55		40	16	49	65	1 03	
51 to 60	38	25	30	39	59	61 to 70	42	16	53	70	1 06	
	40	24	32	42	62		44	15	57	75	1 12	
	16 x 18	50	14	16	22		46	14	60	78	1 20	
	20	45	16	18	24½		48	14	62	85	1 30	
	22	41	17	20	27		50	13	68	97	1 41	
26 to 40	24	38	19	22	29	71 to 80	52	13	72	1 02	1 50	
	26	34	21	26	37		54	12	75	1 07	1 53	
	28	32	23	28	41		56	12	78	1 09	1 60	
	30	30	25	30	43		58	11	80	1 10	1 67	
	32	28	26	32	47		60	11	95	1 25	1 87	
41 to 50	34	26	28	35	50	81 to 85						

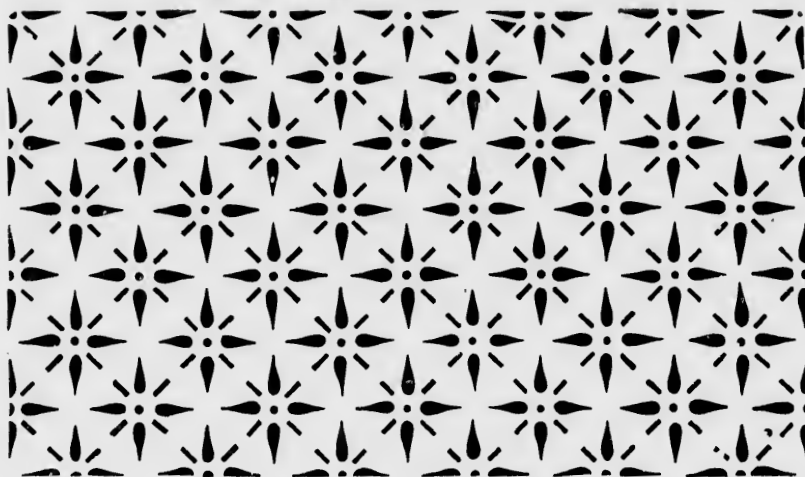
WINDOW GLASS.

UNITED INCHES.	SIZES.	LIGHTS PER BOX.	PRICE PER LIGHT.				UNITED INCHES.	SIZES.	LIGHTS PER BOX.	PRICE PER LIGHT.			
			STAR.	DIAMOND STAR.	DOUBLE DIAMOND STAR.	28 OUNCE.				STAR.	DIAMOND STAR.	DOUBLE DIAMOND STAR.	28 OUNCE.
41 to 50	24 x 26	23	\$0 32	\$0 39	\$0 56	\$0 75	101 to 105	30 x 72	6			\$6 50	\$8 65
	28	22	35	45	67	90		74	6			6 75	9 00
51 to 60	30	20	39	49	74	98		76	6			8 50	11 30
	32	19	41	52	78	1 07	106 to 110	78	6			8 85	11 80
	34	18	43	55	82	1 10		80	6			9 20	12 25
	36	17	47	58	86	1 15	111 to 115	82	6			9 50	12 65
	38	16	53	70	1 05	1 40		84	6			9 75	13 00
61 to 70	40	15	57	75	1 12	1 50		86	5			10 75	14 33
	42	14	60	77	1 19	1 60	116 to 120	88	5			11 00	14 65
	44	14	62	82	1 24	1 65		90	5			11 25	15 00
	46	13	66	86	1 29	1 72	61 to 70	32 x 32	14	\$0 60	\$0 82	1 21	1 60
	48	12	72	1 00	1 49	2 00		34	13	66	87	1 29	1 72
71 to 80	50	12	76	1 05	1 56	2 08		36	12	72	92	1 40	1 87
	52	12	79	1 11	1 63	2 17		38	12	75	97	1 45	1 93
	54	11	82	1 17	1 67	2 26	71 to 80	40	11	81	1 09	1 63	2 17
	56	11	85	1 22	1 75	2 35		42	11	85	1 18	1 70	2 27
81 to 85	58	10	97	1 37	2 00	2 67		44	10	89	1 25	1 82	2 43
	60	10	1 07	1 45	2 10	2 80		46	10	92	1 30	1 85	2 45
51 to 60	26 x 28	20	38	49	74	1 00	81 to 85	48	9	1 02	1 42	2 05	2 73
	30	18	42	55	82	1 10		50	9	1 13	1 50	2 25	3 00
	32	17	46	58	86	1 15		52	9	1 25	1 57	2 38	3 57
	34	16	49	61	90	1 20	86 to 90	54	8	1 45	2 00	3 04	4 05
	36	15	56	72	1 10	1 47		56	8	1 55	2 17	3 27	4 35
61 to 70	38	15	58	76	1 14	1 52		58	8	1 65	2 27	3 35	4 47
	40	14	61	80	1 20	1 60	91 to 95	60	8	1 95	2 50	3 63	4 85
	42	13	65	84	1 29	1 72		62	7	1 95	2 50	3 98	5 30
	44	13	69	87	1 33	1 77		64	7			4 85	6 47
	46	12	73	98	1 50	2 00	96 to 100	66	7			5 18	6 90
71 to 80	48	12	77	1 07	1 50	2 08		68	7			5 38	7 15
	50	11	82	1 13	1 55	2 20	101 to 105	70	7			5 98	7 97
	52	11	87	1 19	1 72	2 30		72	6			6 75	9 00
	54	10	98	1 30	1 85	2 47	106 to 110	74	6			8 33	11 10
81 to 85	56	10	1 00	1 37	2 05	2 73		76	6			8 55	11 40
	58	10	1 07	1 45	2 10	2 80		78	6			8 75	11 67
51 to 60	28 x 30	17	45	58	86	1 15	111 to 115	80	6			9 40	12 53
	32	16	49	61	90	1 20		82	5			9 65	12 87
	34	15	57	75	1 12	1 50	116 to 120	84	5			11 20	14 95
	36	14	61	77	1 19	1 60		86	5			11 45	15 25
61 to 70	38	14	63	82	1 24	1 65		88	5			11 75	15 67
	40	13	66	86	1 29	1 72	121 to 125	90	5			13 40	17 85
	42	12	71	92	1 38	1 84		92	5			13 75	18 35
	44	12	74	1 07	1 53	2 04	61 to 70	34 x 36	12	72	93	1 40	1 87
71 to 80	46	11	79	1 12	1 68	2 24		38	11	82	1 07	1 63	2 17
	48	11	82	1 20	1 74	2 32		40	11	87	1 16	1 67	2 23
	50	10	87	1 25	1 84	2 45	71 to 80	42	10	90	1 25	1 85	2 45
	52	10	92	1 30	1 88	2 50		44	10	95	1 31	1 92	2 56
81 to 85	54	10	1 02	1 45	2 05	2 73		46	9	1 02	1 44	2 05	2 73
	56	9	1 12	1 56	2 24	3 00	81 to 85	48	9	1 15	1 56	2 28	3 04
	58	9	1 20	1 90	2 64	3 52		50	8	1 30	1 75	2 56	3 40
86 to 90	60	8	1 40	2 05	2 84	3 80	86 to 90	52	8	1 43	1 92	3 20	4 27
	62	8	1 50	2 25	3 10	4 13		54	8	1 55	2 20	3 24	4 32
	30 x 32	15	57	75	1 12	1 50		56	8	1 67	2 32	3 35	4 47
61 to 70	34	14	61	81	1 20	1 60	91 to 95	58	7	2 10	2 50	3 88	5 17
	36	13	65	85	1 29	1 72		60	7	2 22	2 69	4 10	5 47
	38	13	68	87	1 34	1 79		62	7	2 40	3 00	4 10	5 47
	40	12	71	92	1 38	1 84	96 to 100	34 x 62	7			4 86	6 48
	42	11	80	1 09	1 63	2 17		64	7			5 24	7 00
71 to 80	44	11	83	1 18	1 70	2 27		66	6			5 75	7 65
	46	10	87	1 27	1 82	2 43	101 to 105	68	6			6 34	8 45
	48	10	92	1 32	1 85	2 45		70	6			6 50	8 67
	50	10	97	1 37	1 90	2 53	106 to 110	72	6			7 65	10 20
81 to 85	52	9	1 13	1 49	2 24	3 00		74	6			7 90	10 53
	54	9	1 17	1 57	2 28	3 04		76	6			7 94	10 60
	56	9	1 30	2 00	2 69	3 60	36 x 38	78	6			8 5	11 25
86 to 90	58	8	1 45	2 12	2 98	3 97		80	11	85	1 25	1 67	2 23
	60	8	1 60	2 21	3 20	4 27		82	10	95	1 32	1 83	2 44
	62	8	1 75	2 55	3 55	4 73	71 to 80	84	10	1 02	1 37	1 90	2 53
91 to 95	64	8	1 85	2 65	3 58	4 78		86	9	1 07	1 42	2 04	2 72
	66	7	1 97	2 69	4 10	5 47		88	9	1 15	1 56	2 28	3 04
	68	7	2 15	2 80	4 86	6 49	81 to 85	90	8	1 30	1 75	2 57	3 40
	70	7	2 30	2 95	5 08	6 78							
			2 45	3 20	5 28	7 04							

WINDOW GLASS.

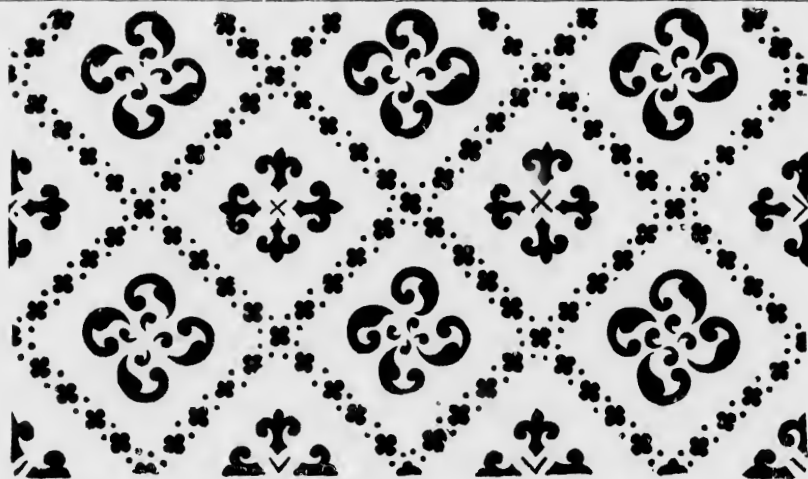
UNITED INCHES.	SIZES.	LIGHTS PER BOX.	PRICE PER LIGHT.				UNITED INCHES.	SIZES.	LIGHTS PER BOX.	PRICE PER LIGHT.			
			STAR.	DIAMOND STAR.	DOUBLE DIAMOND STAR.	28 DUNCHE.				STAR.	DIAMOND STAR.	DOUBLE DIAMOND STAR.	28 DUNCHE.
86 to 90	36 x 50	8	\$1 50	\$2 20	\$3 08	\$4 10	91 to 95	42 x 50	7			\$ 4 43	\$ 5 90
	52	8	1 66	2 30	3 28	4 37		52	7			4 53	6 05
	54	7	1 72	2 39	3 52	4 70		54	6			6 16	8 20
91 to 95	56	7	2 58	2 50	3 95	5 27	96 to 100	56	6			6 45	8 60
	58	7	2 26	2 72	4 10	5 47		58	6			6 65	8 85
	60	7	2 61	3 55	4 85	6 48		60	6			6 80	9 05
96 to 100	62	6			5 68	7 55	101 to 105	62	6			3 88	9 17
	64	6			5 94	7 92		63	5			8 25	11 00
	66	6			6 34	8 45		64	5			9 75	13 00
101 to 105	68	6			6 82	9 10	106 to 110	66	5			10 40	13 85
	70	6			7 35	9 80		68	5			10 48	13 97
	72	6			8 05	10 73		70	5			11 20	14 90
106 to 110	74	5			9 20	12 25	111 to 115	72	5			11 30	15 07
	76	5			10 60	14 15		74	5			12 75	17 00
	78	5			10 70	14 25		76	5			13 50	18 00
111 to 115	80	5			12 00	16 00	116 to 120	78	4			14 35	19 15
	82	5			12 25	16 35		80	4			16 45	21 90
	84	5			12 60	16 80		82	4			16 85	22 47
121 to 125	86	5			14 40	19 20	126 to 130	84	4			18 10	24 13
	88	5			14 75	19 65		86	4			18 50	24 65
	90	4			16 65	22 20		88	4			19 00	25 30
126 to 130	92	4			17 00	22 65	86 to 90	44 x 46	7			4 67	4 90
	94	4			17 35	23 10		48	7			4 35	5 80
	96	4						50	6			4 43	5 90
71 to 80	38 x 40	9	99	1 40	2 05	2 73	91 to 95	52	6			5 85	7 80
	42	9	1 02	1 46	2 10	2 80		54	6			6 05	8 05
	44	9	1 13	1 57	2 28	3 04		56	6			6 15	8 20
81 to 85	46	8	1 42	1 80	2 57	3 40	96 to 100	58	6			6 97	9 30
	48	8	1 62	2 10	3 21	4 52		60	5			8 25	11 00
	50	8	1 69	2 30	3 45	4 60		62	5			9 75	13 00
86 to 90	52	7	1 75	2 41	3 52	4 70	101 to 105	64	5			10 00	13 34
	54	7	2 00	2 65	4 03	5 37		66	5			10 30	13 73
	56	7	2 24	2 72	4 18	5 51		68	5			11 25	11 50
91 to 95	58	7	2 62	3 67	4 85	6 48	106 to 110	70	5			11 30	15 07
	60	6	2 86	3 92	5 65	7 53		72	5			13 85	18 47
	62	6			6 00	8 00		74	4			14 30	19 05
101 to 105	64	6			6 34	8 45	116 to 120	76	4			14 65	19 53
	66	6			6 75	9 00		78	4			15 95	21 25
	68	6			7 65	10 20		80	4			16 40	21 85
106 to 110	70	5			9 15	12 20	121 to 125	82	4			18 45	24 60
	72	5			9 20	12 25		84	4			18 95	25 28
	74	5			9 20	12 25		86	4			19 40	25 85
81 to 85	40 x 42	9	1 27		2 28	3 04	131 to 135	88	4			21 75	29 00
	44	8	1 44		2 57	3 40		90	4			22 20	29 60
	46	8	1 62		3 08	4 10		46 x 54	6			6 15	8 20
86 to 90	48	8	1 70		3 32	4 43	95 to 100	56	6			7 00	9 33
	50	7	1 86		3 52	4 70		58	5			8 25	11 00
	52	7	2 24		4 10	5 47		60	5			9 75	13 00
91 to 95	54	7	2 35		4 24	5 65	101 to 105	62	5			10 00	13 34
	56	6	2 81		5 68	7 57		64	5			10 30	13 73
	58	6	2 95		6 15	8 20		66	5			11 20	14 90
96 to 100	60	6	3 06		6 18	8 24	106 to 110	68	5			11 30	15 07
	62	6			6 34	8 45		70	4			13 85	18 48
	64	6			6 90	9 20		72	4			14 30	19 05
101 to 105	66	5			8 60	11 47	116 to 120	74	4			14 65	19 53
	68	5			8 70	11 60		76	4			15 95	21 25
	70	5			9 20	12 25		78	4			16 40	21 85
111 to 115	72	5			10 75	14 33	121 to 125	80	4			18 45	24 60
	74	5			11 45	15 25		82	4			18 95	25 28
	76	5			13 10	17 47		84	4			19 40	25 85
116 to 120	78	5			13 50	18 00	126 to 130	86	4			21 75	29 00
	80	4			14 00	18 65		88	4			22 20	29 60
	82	4			15 95	21 25		48 x 52	6			6 15	8 20
121 to 125	84	4			16 35	21 80	95 to 100	54	6			6 85	9 13
	86	4			18 25	24 30		56	5			8 25	11 00
	88	4			19 05	25 40		58	5			10 00	13 34
126 to 130	90	4			19 40	25 85	101 to 105	60	5			10 30	13 73
	92	4			3 25	4 33		62	5			11 20	14 90
	94	4			3 60	4 80		64	5			11 30	15 07
86 to 90	42 x 44	8			3 25	4 33	106 to 110	66	5			13 85	18 47
	46	7			3 60	4 80		68	5			14 30	19 05
	48	7			3 75	5 00		70	4			14 65	19 53
91 to 95	50	6					111 to 115	72	4			15 95	21 25
	52	6						74	4			16 40	21 85
	54	6						76	4			18 45	24 60
96 to 100	56	6					116 to 120	78	4			18 95	25 28
	58	6						80	4			19 40	25 85
	60	6						82	4			21 75	29 00
101 to 105	62	6					121 to 125	84	4			22 20	29 60
	64	6						86	4			6 15	8 20
	66	5						88	4			6 85	9 13
106 to 110	68	5					126 to 130	90	4			8 25	11 00
	70	5						92	4			10 00	13 34
	72	5						94	4			10 30	13 73
111 to 115	74	5					131 to 135	96	4			11 20	14 90
	76	5						98	4			11 30	15 07
	78	5						100	4			13 85	18 47
116 to 120	80	4					136 to 140	102	4			14 30	19 05
	82	4						104	4			14 65	19 53
	84	4						106	4			15 95	21 25
121 to 125	86	4					141 to 145	108	4			16 40	21 85
	88	4						110	4			18 45	24 60
	90	4						112	4			18 95	25 28
126 to 130	92	4					146 to 150	114	4			19 40	25 85
	94	4						116	4			21 75	29 00
	96	4						118	4			22 20	29 60
86 to 90	42 x 44	8					151 to 155	120	4			24 60	31 20
	46	7						122	4			25 00	32 00
	48	7						124	4			25 80	32 80

GLASS.—ENAMELLED OR ETCHED.



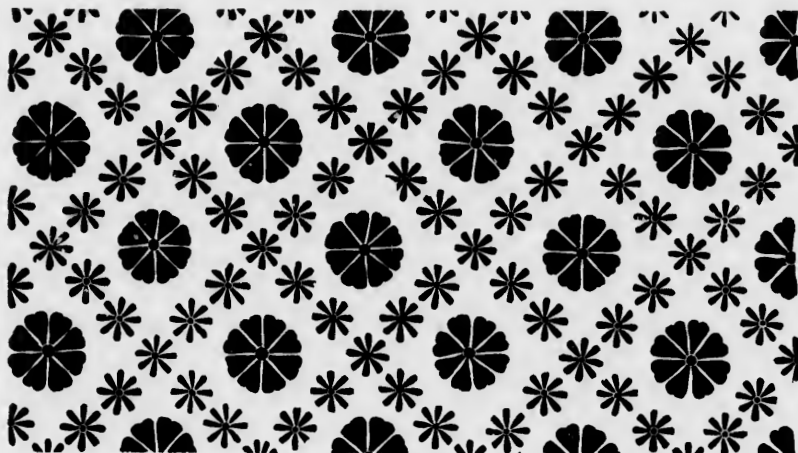
No. 20.

No.	DESCRIPTION.	Per Case 100 ft.	Per Foot, by the Sheet.	Per Foot, Cut to Size.	Import Rate.
20	Enamelled or Etched, 16 oz.....	\$12 00	\$0 15	\$0 20	
	" " 21 oz.....	20 00	25	30	

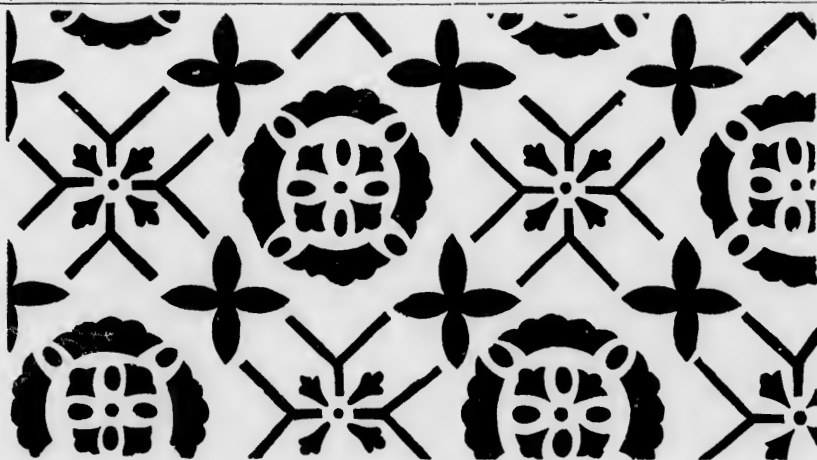


No. 21.

No.	DESCRIPTION.	Per Case 100 ft.	Per Foot, by the Sheet.	Per Foot, Cut to Size.	Import Rate.
21	Enamelled or Etched, 16 oz.....	\$12 00	\$0 15	\$0 20	
	" " 21 oz.....	20 00	25	30	
	Ruby, Enamelled or Etched, 16 oz.....	35 00	45	60	
	Blue, " " 16 oz.....	30 00	37½	50	
	Green, " " 16 oz.....	40 00	50	65	
	Yellow, " " 16 oz.....	30 00	37½	45	
	Purple, " " 16 oz.....	30 00	37½	45	
	Ruby, " " 21 oz.....	52 00	67½	90	
	Blue, " " 21 oz.....	45 00	60	80	
	Green, " " 21 oz.....	60 00	75	1 00	
	Yellow, " " 21 oz.....	45 00	60	80	
	Purple, " " 21 oz.....	45 00	60	80	

GLASS.—ENAMELLED OR ETCHED.

No. 22.

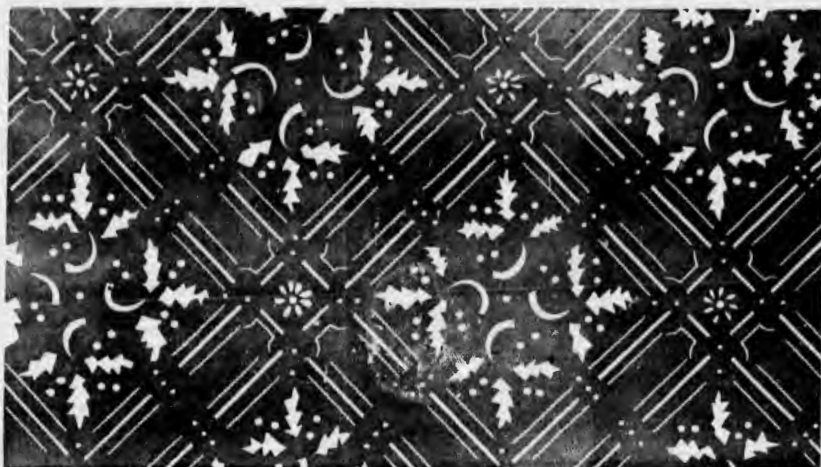
No.	DESCRIPTION.	Per Case 100 feet.	Per foot by the Sheet.	Per foot cut to Size.	Import Rate.
22	Enamelled or Etched, 16 oz.	\$12 00	\$0 15	\$0 20	
	Enamelled or Etched, 21 oz.	20 00	25	30	
	Enamelled or Obscured, 16 oz.	20 00	25	30	


No. 23

No.	DESCRIPTION.	Per Case 100 feet.	Per foot by the Sheet.	Per foot cut to Size.	Import Rate.
23	Enamelled or Etched, 16 oz.	\$12 00	\$0 15	\$0 20	
	Enamelled or Etched, 21 oz.	20 00	25	30	
	Ruby, Enamelled, 16 oz.	35 00	45	60	
	Blue, " 16 oz.	30 00	37 1/2	50	
	Green, " 16 oz.	40 00	50	65	
	Yellow, " 16 oz.	30 00	37 1/2	45	
	Purple, " 16 oz.	30 00	37 1/2	45	
	Ruby, " 21 oz.	52 00	67 1/2	90	
	Blue, " 21 oz.	45 00	60	80	
	Green, " 21 oz.	60 00	75	1 00	
	Yellow, " 21 oz.	45 00	60	80	
	Purple, " 21 oz.	45 00	60	80	

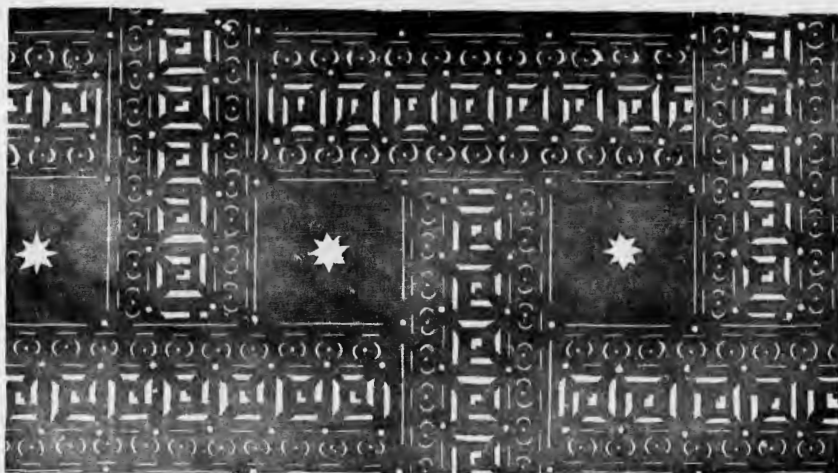
GLASS.

ENAMELLED OR ETCHED.



No. 24.

No.	DESCRIPTION.	Per case 100 feet.	Per foot by the Sheet.	Per foot cut to Size.	Import Rate.
24	Enamelled or Etched, 16 oz.	\$12 00	\$0 15	\$0 20	
	" " 21 oz.	20 00	25	30	

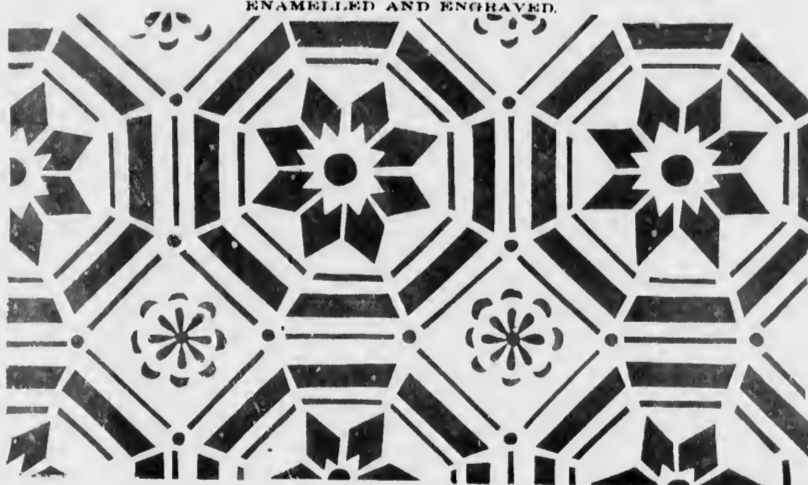


No. 25.

No.	DESCRIPTION.	Per case 100 feet.	Per foot by the Sheet.	Per foot cut to Size.	Import Rate.
25	Enamelled or Etched, 16 oz.	\$12 00	\$0 15	\$0 20	
	" " 21 oz.	20 00	25	30	

GLASS.

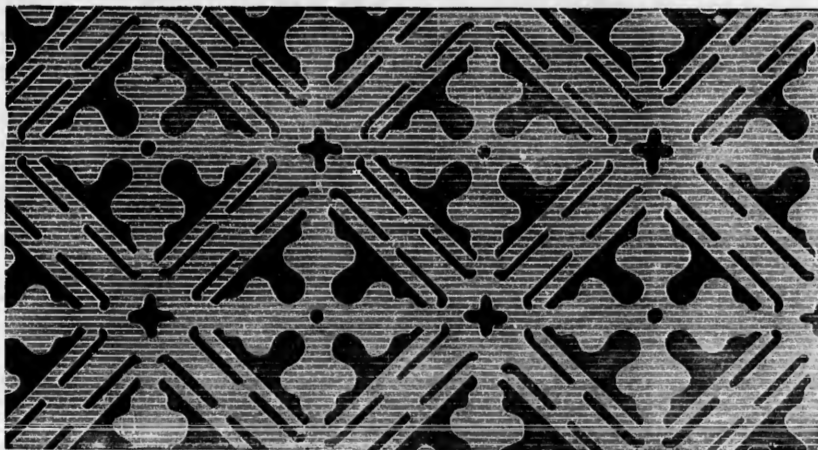
ENAMELLED AND ENGRAVED.



No. 26.

No.	DESCRIPTION.	Per Case 100 feet.	Per Foot by the Sheet.	Per foot cut to Size.	Import Rate.
26	Enamelled or Etched, 16 oz	\$12 00	\$0 15	\$0 20	
	Enamelled or Etched, 21 oz	20 00	25	30	
	Enamelled on Obscured, 16 oz	20 00	25	30	
	Blue, Engraved, 16 oz.....	65 00	75	85	
	Ruby, " 16 oz	52 50	62½	72½	
	Yellow, " 16 oz.....	52 50	62½	72½	
	Purple, " 16 oz.....	52 50	62½	72½	
	Green, " 16 oz	65 00	75	85	
	Blue, " 21 oz.....	110 00	1 35	1 60	
	Ruby, " 21 oz.....	100 00	1 25	1 50	
	Yellow, " 21 oz.....	100 00	1 25	1 50	
	Purple, " 21 oz	100 00	1 25	1 50	
	Green, " 21 oz.....	110 00	1 35	1 60	

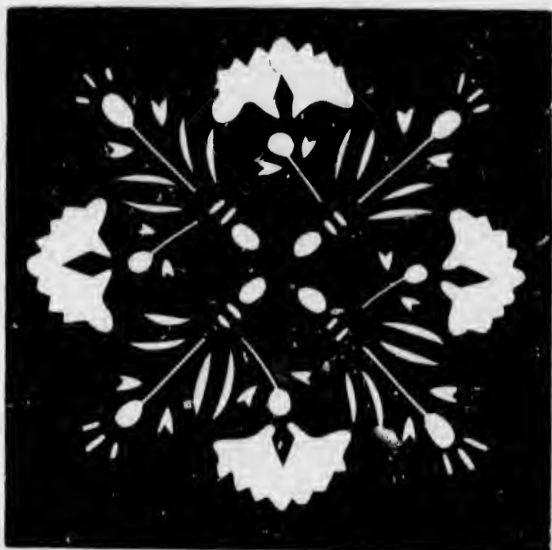
FIGURED ROLLED PLATE.



DESCRIPTION.	Per Case 100 feet.	Per foot by the Sheet.	Per foot cut to Size.	Import Rate.
Figured Rolled Plate, ¼ inch.....	\$35 00	\$0 45	\$0 55	

ROSETTES FOR CORNER PIECES

PATTERNS ARE SHOWN EXACT SIZE.



No. 30

No. 30 Rosette, 5 x 5 inches, Ruby or Blue Ground, Pattern White

each, \$0 25



No. 31.

No. 31 Rosette, 5 x 5 inches, Blue or Ruby Ground, Pattern White

each, \$0 25

ROSETTES FOR CORNER PIECES

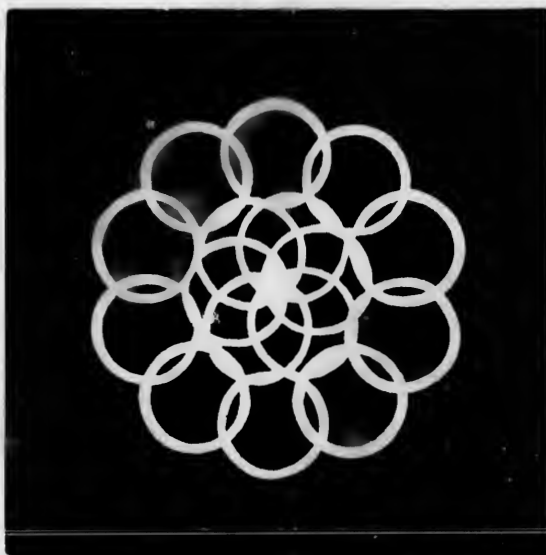
Patterns are shown exact size.



No. 32.

No. 32 Rosette, 5 x 5 inches, in Ruby or Blue Pattern, on obscured surface

each, 80 25

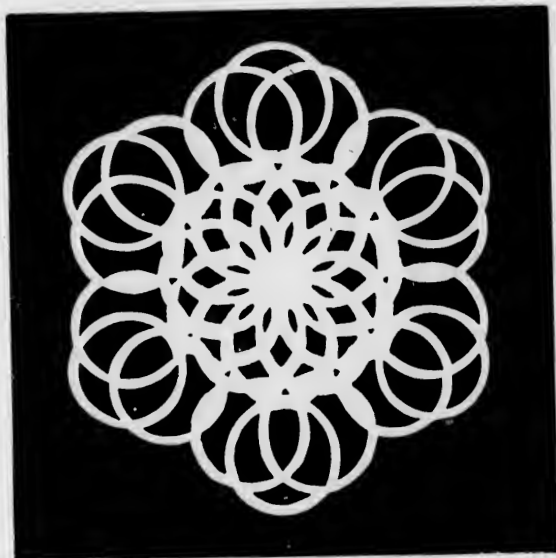


No. 33.

No. 33 Rosette, 5 x 5 inches, Blue or Ruby Ground, Pattern White

each, 80 25

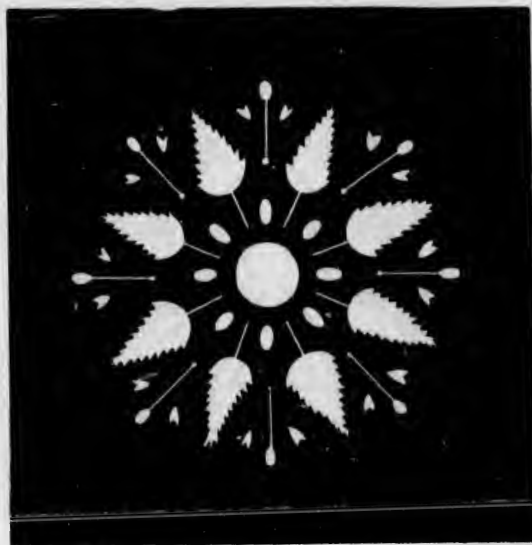
ROSETTES FOR CORNER PIECES.



No. 34.

No. 34 Rosette, 5 x 5 inches, Blue or Ruby Ground, Pattern White,

each, \$0 25

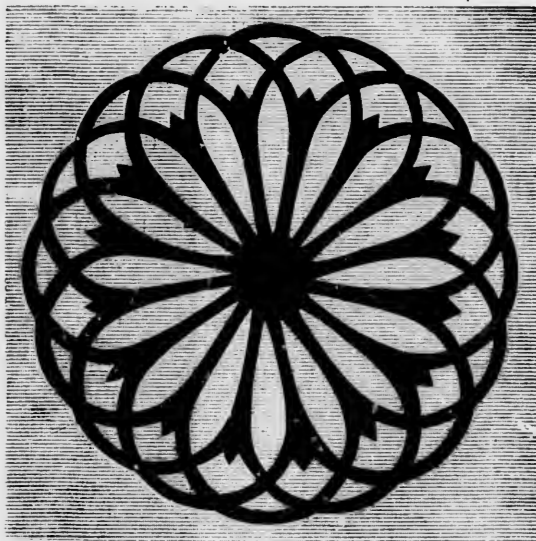


No. 35

No. 35 Rosette, 5 x 5 inches, Ruby or Blue Ground, Pattern White,
Patterns are shown exact Size.

each, \$0 25

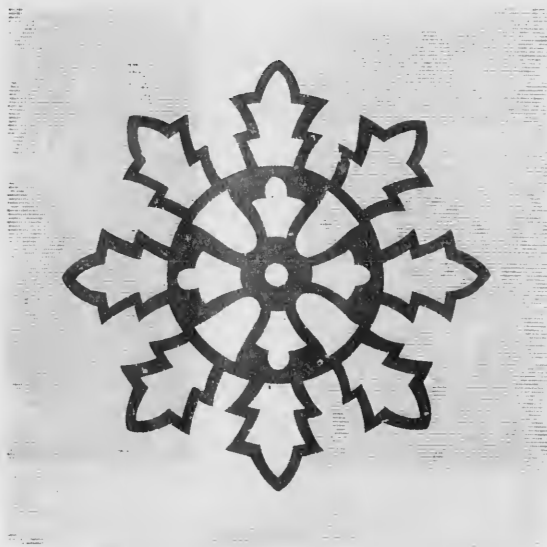
ROSETTES FOR CORNER PIECES.



No. 36.

No. 36 Rosette, 5 x 5 inches, Blue or Ruby Pattern on Obscured Ground

each, 80 25



No. 37

No. 37 Rosette, 5 x 5 inches, Ruby or Blue Pattern on Obscured Ground

each, 80 25

Patterns are shown exact Size.

GLASS.

* DOOR + PANELS *



No. 60.
One-quarter Size Cut of Pattern.



No. 61.
One-quarter Size Cut of Pattern.

SIZES IN STOCK.

16 x 48, 16 x 44, 14 x 40, 14 x 38, 14 x 36, 14 x 34, 12 x 40, 12 x 38, 12 x 36, 12 x 34 inches.

No. 60	Door Panel, Ruby or Blue Ground, Pattern in White	per square foot, 81 25
No. 61	Door Panel, Blue or Ruby Ground, Pattern in White	per square foot, 1 25

Any of the above can be cut shorter or narrower without spoiling the pattern.

GLASS.

DOOR PANEL.



One-quarter Size Cut of Pattern.

No. 62.

For stock sizes of No. 62 see page 902.

DOOR PANEL OR FANLIGHT.



One-quarter Size Cut of Pattern.

No. 70.

For stock sizes of No. 70 see page 904.

No. 62 Door Panel, Blue or Ruby Ground, Pattern in White

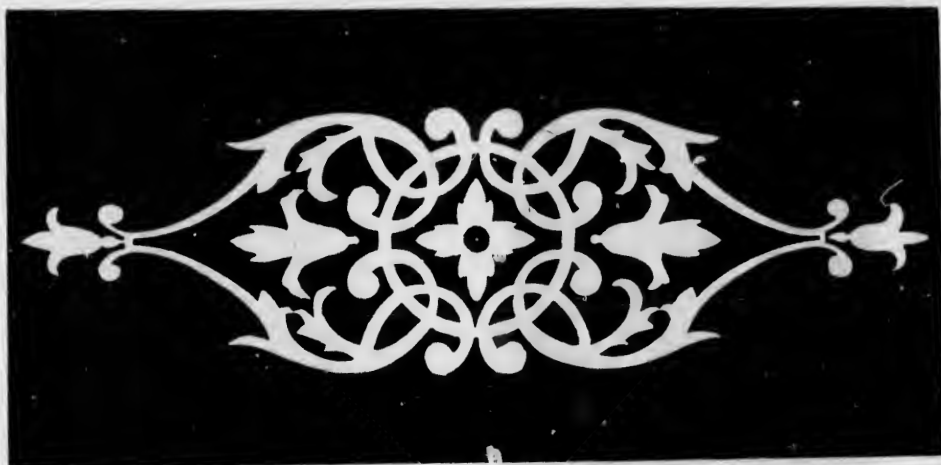
per square foot, \$1 60

No. 70 Fanlight, Ruby or Blue Ground, Pattern in White

per square foot, 1 25

FANLIGHTS.

One-quarter Size Cut of Pattern.



No. 71.

No. 71 Fanlight, Ruby or Blue Ground, Pattern in White

per square foot, \$1 25



No. 72.

No. 72 Fanlight, Blue or Ruby Ground, Pattern in White

per square foot, \$1 40

STOCK SIZES OF FANLIGHTS.

NOS. 70, 71 AND 72.

18 x 52, 18 x 48, 16 x 46, 16 x 44, 14 x 42, 14 x 40, 14 x 38, 14 x 36, 12 x 40, 12 x 36, 12 x 32.

BORDERS OR SIDE PANELS

EXACT SIZE OF PATTERNS.



NO. 50.



NO. 51.

SIZES IN STOCK.

6 x 36, 6 x 40, 8 x 38, 8 x 40 inches.

No. 50 Border, Blue or Ruby Ground, Pattern in White
No. 51 Border, Ruby or Blue Ground, Pattern in White

per square foot, \$1 15
per square foot, 1 15

Any of the above may be cut shorter or narrower without spoiling the pattern

ORNAMENTAL GLASS

—FOR—

VESTIBULE DOORS, TRANSOMS, BANK AND OFFICE COUNTERS, ETC.



No. 73.
Per square foot, \$1.60.



No. 74.
Per square foot, \$1.75.



No. 75.
Per square foot, \$2.00.



No. 76.
Per square foot, \$2.10.



No. 77.
Per square foot, \$2.75.



No. 78.
Per square foot, \$2.25.



No. 79.
Per square foot, \$2.25.



No. 80.
Per square foot, \$2.75.

On this sheet the "colored parts" represent Clear Glass, and the "light parts" represent Ground Glass. The prices given are for Double Thick Glass and Ornamentation.

See page 890 for suggestions and explanations

ORNAMENTAL GLASS

FOR VESTIBULE DOORS, TRANSOMS, BANK AND OFFICE COUNTERS, ETC.



No. 81.
Per square foot, \$3.75.



No. 82.
Per square foot, \$2.10.



No. 83.
Per square foot, \$2.25.



No. 86.
Per square foot, \$4.25.



No. 87.
Per square foot, \$2.15.



No. 88.
Per square foot, \$1.40.



No. 84.
Per square foot, \$2.50



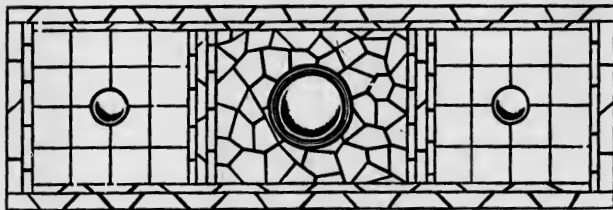
No. 85.
Per square foot, \$4.25.

On this sheet the "colored parts" represent Clear Glass, and the "light parts" represent Ground Glass. The prices given are for Double Thick Glass and Ornamentation.

See page 890 for suggestions and explanations.

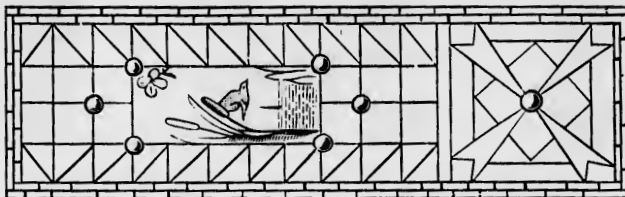
ORNAMENTAL LEADED GLASS

FOR DOOR PANELS, FANLIGHTS, ETC.



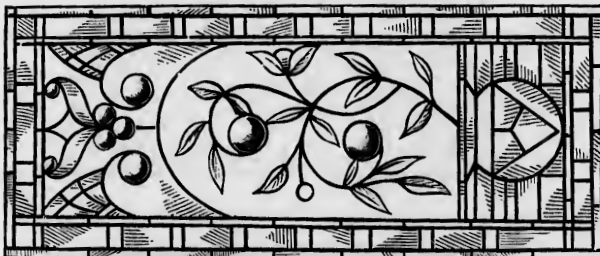
No. 100 Ornamental Leaded Glass, Panel or Fanlight

per square foot, \$1 40



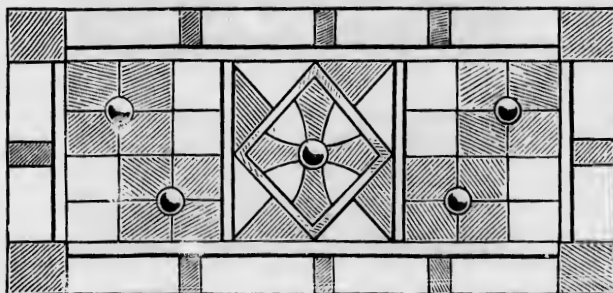
No. 102 Ornamental Leaded Glass, Panel

per square foot, \$1 75



No. 103 Ornamental Leaded Glass, Panel

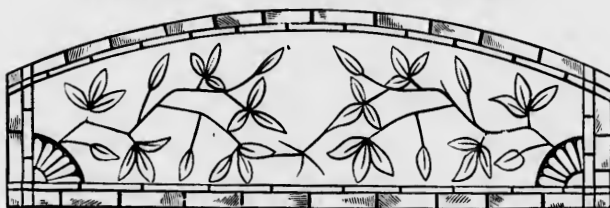
per square foot, \$1 60



No. 104 Ornamental Leaded Glass, Panel or Fanlight

per square foot, \$1 40

ORNAMENTAL LEADED GLASS FOR DOOR PANELS, FANLIGHTS, ETC.



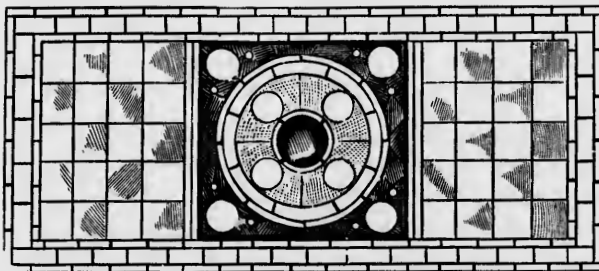
No. 105 Ornamental Leaded Fanlight, Etched Centre Piece

per square foot, \$1 60



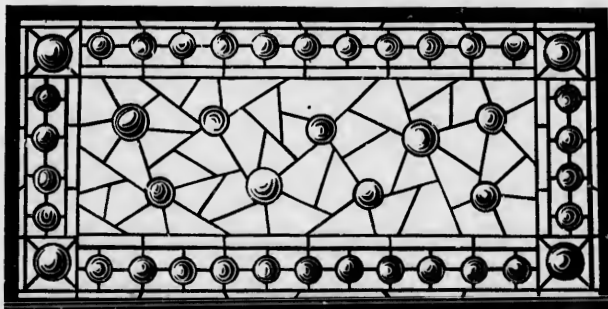
No. 106 Ornamental Leaded Fanlight

per square foot, \$1 75



No. 107 Ornamental Leaded Panel or Fanlight

per square foot, \$1 40



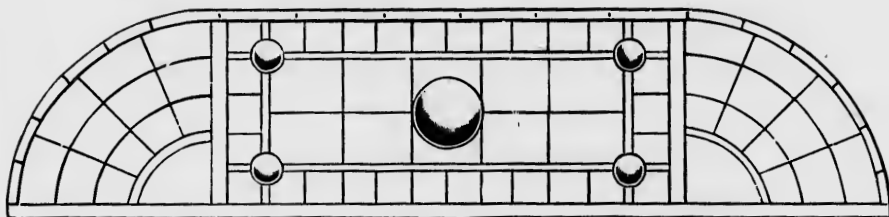
No. 108 Ornamental Leaded Fanlight

per square foot, \$2 15

Designs shown on pages 908 and 909 are a few of our leading designs only. Can furnish any design or colors to suit purchasers. Write us for discounts before purchasing elsewhere. We are headquarters for Glass of every description.

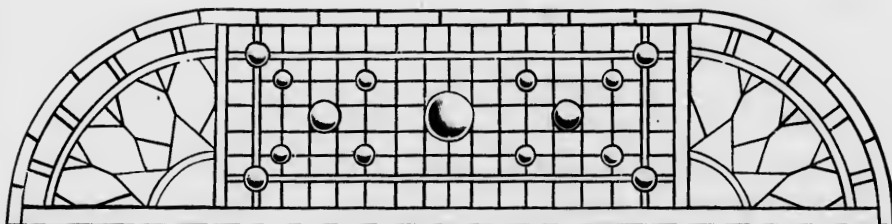
ORNAMENTAL LEADED GLASS

FOR STORE FRONTS.



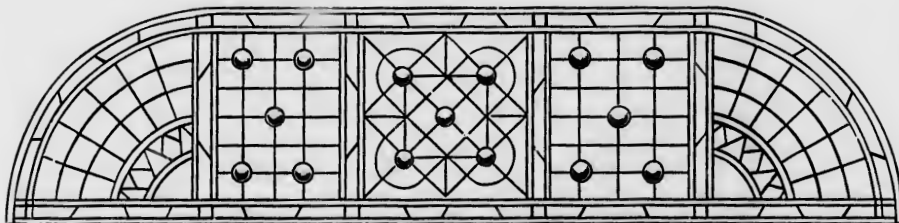
Design No. 108.

No. 108 Made to any size. For Store Fronts per square foot, \$1 00



Design No. 109.

No. 109 Made to any size. For Store Fronts per square foot, \$1 20

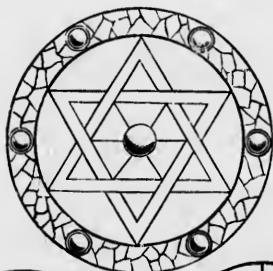


Design No. 110.

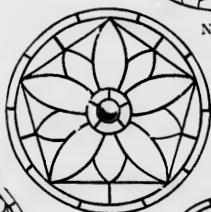
No. 110 Made to any size. For Store Fronts per square foot, \$1 40

Any other design submitted, made to order.

LEADED CHURCH WINDOW GLASS.



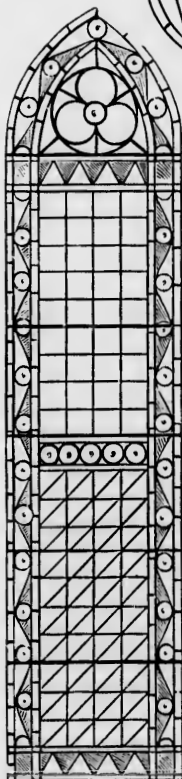
No. 111.



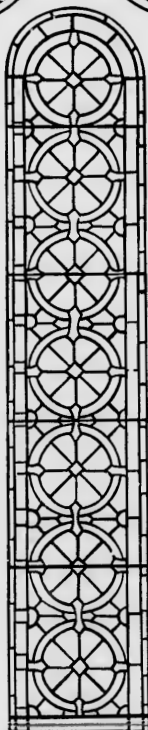
No. 112.



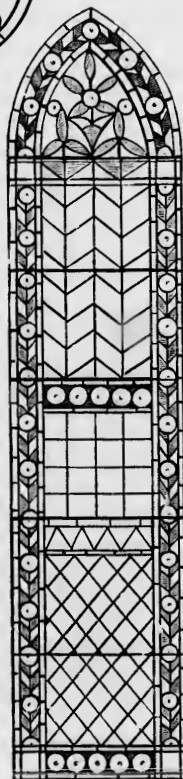
No. 113.



No. 114.



No. 115.

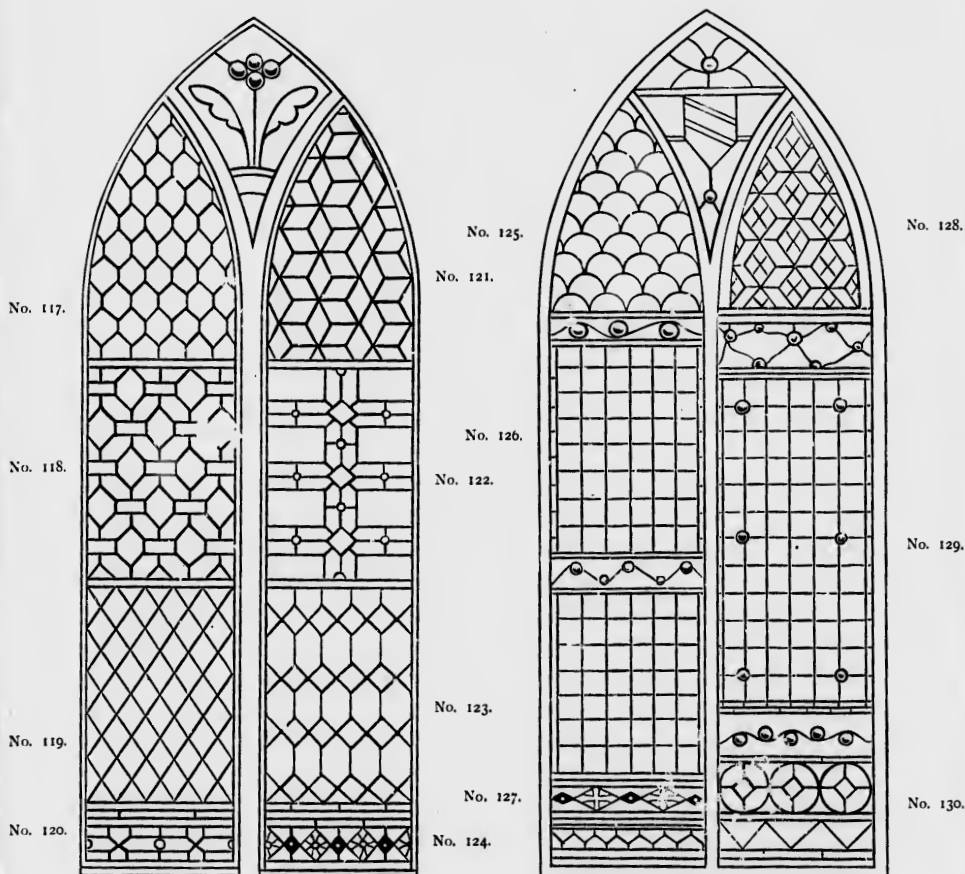


No. 116

Prices for above furnished on application.
Any other design submitted, made to order.

LEADED

CHURCH WINDOW GLASS



Estimates furnished for Church Windows made up in any of above patterns. Prices and full information given on receipt of sizes of windows and glass required. Write us before ordering. We are headquarters for every description of Glass. Specify pattern by number. Do not cut the book.

CHANCEL AND MEMORIAL WINDOWS

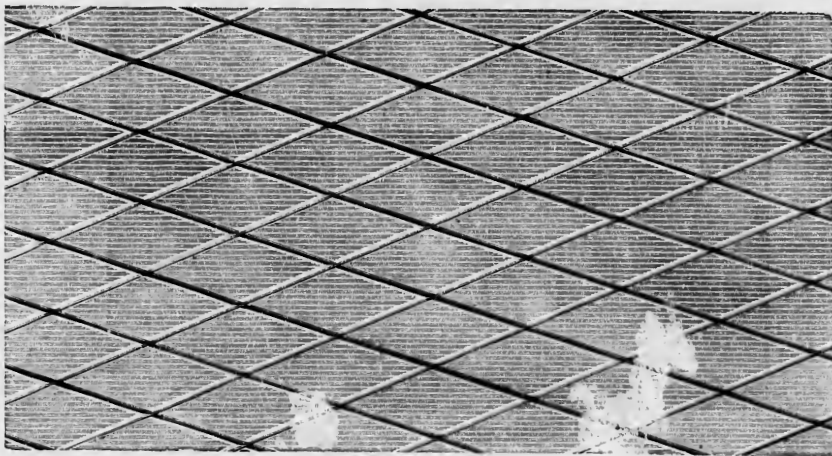


Design No. 300.

We make a specialty of Stained Glass Chancel and Memorial Windows. Any design submitted made to order. We will submit designs and estimates to parties requiring Church Windows. Write us before ordering.

GLASS.**ROLLED PLATE, PLAIN.**

DESCRIPTION.	Per case 100 feet.	Per foot by the Sheet.	Per foot cut to Size.	Import Rate.
Rolled Plate, Plain, $\frac{1}{8}$ inch	\$15 00	\$0 18	\$0 25	
" " " $\frac{1}{4}$ "	30 00	37 $\frac{1}{2}$	50	
" " Rough, $\frac{1}{2}$ "	50 00	60	90	
" " " 1 "			2 50	

QUARY, OR ROLLED PLATE, DIAMOND PATTERN.

DESCRIPTION.	Per case 100 feet.	Per foot by the Sheet.	Per foot cut to Size.	Import Rate.
Quary, Diamond (see pattern) $\frac{1}{8}$ inch	\$22 50	\$0 27 $\frac{1}{2}$	\$0 32 $\frac{1}{2}$	
" Small Pattern, $\frac{1}{8}$ inch	34 00	40	50	
" Large Pattern, $\frac{1}{8}$ inch	60 00	70	75	

ORNAMENTAL GLASS

NOT ELSEWHERE ILLUSTRATED OR DESCRIBED.

DESCRIPTION.	Per case 100 feet.	Per foot by the Sheet.	Per foot cut to Size.	Import Rate.
Obscured	16 oz.	\$10 00	\$0 12	\$0 16
Obscured	21 oz.	15 00	18	24
Plain Ruby	16 oz.	20 00	25	30
"	21 oz.	30 00	37½	45
" Green	16 oz.	25 00	30	40
"	21 oz.	37 50	45	60
" Blue	16 oz.	20 00	25	30
"	21 oz.	30 00	37½	45
" Purple	16 oz.	20 00	25	30
"	21 oz.	30 00	37½	45
" Amber	16 oz.	20 00	25	30
"	21 oz.	30 00	37½	45
Fluted Ruby	16 oz.	30 00	37½	45
"	21 oz.	45 00	60	80
" Green	16 oz.	35 00	45	60
"	21 oz.	50 00	70	90
" Blue	16 oz.	30 00	37½	45
"	21 oz.	45 00	60	80
" Purple	16 oz.	30 00	37½	45
"	21 oz.	45 00	60	80
" Amber	16 oz.	30 00	37½	45
"	21 oz.	45 00	60	80

FANCY NEW PROCESS GLASS.

No. 1, Blue	25 50	33	40½
" 2, Blue, Flashed	45 00	60	75
" 3, Blue, Isby	52 50	67½	82½
" 4, Blue, Ordinary	33 00	40½	55½
" 5, Deep Yellow	37 50	45	60
" 6, Ruby, Flashed	33 00	40½	55½
" 7, Yellow, Special	45 00	56½	67½
" 8, Yellow, Pale Ordinary	33 00	40½	55½
" 9, White	22 50	30	37½
" 10, Green, Light	25 50	33	40½
" 11, Violet	40 50	52½	67½

CATHEDRAL WHITE AND TINTS.

No. 150, White			
" 151, Green, Pale			
" 152, Green, Medium			
" 153, Green, Dark			
" 154, Blue, Pale			
" 155, Blue, Light			
" 156, Blue, Medium			
" 157, Blue, Dark	22 50	25	30
" 158, Amber			
" 159, Orange			
" 160, Magenta, Pale			
" 161, Magenta, Dark			
" 162, Violet, Pale			
" 163, Purple, Pale			
" 164, Purple			

MUFFLED TINTS.

No. 200, White	27 50	35	40
" 201, Ruby	77 50	85	1 00
" 202, Amber, Pale			
" 203, Amber			
" 204, Lemon			
" 205, Light Olive			
" 206, Olive			
" 207, Light Green			
" 208, Green			
" 209, Dark Green			
" 210, Pale Blue			
" 211, Light Blue			
" 212, Ultra. Blue	32 50	40	50
" 213, Purple			
" 214, Pink			
" 215, Pale Pink			
" 216, Violet			
" 217, Light Violet			
" 218, Pale Magenta			
" 219, Magenta			
" 220, Japanese Brown			
" 221, Mongolian Brown			

Usual sizes of New Process Glass 26 to 30 x 30 to 36; larger sizes extra. Samples of Fancy and Colored Glass sent by mail on application.
A special discount allowed to the Trade.

MIRROR PLATES

OUR OWN SILVERING.

STOCK SIZES.	
20 x 40	each, \$
20 x 48	each,
20 x 60	each,
24 x 30	each,
24 x 36	each,
24 x 48	each,
24 x 60	each,
24 x 72	each,
26 x 40	each,

STOCK SIZES.	
28 x 34	each, \$
28 x 44	each,
30 x 36	each,
30 x 40	each,
30 x 48	each,
30 x 60	each,
30 x 72	each,
30 x 84	each,

STOCK SIZES.	
36 x 36	each, \$
36 x 46	each,
36 x 60	each,
36 x 72	each,
36 x 90	each,
40 x 50	each,
48 x 60	each,
54 x 72	each,

Sizes not on above list "silvered" to order.

BEST GERMAN MIRROR PLATES.

STOCK SIZES.

SIZE.	No. of Plates in Box.	PRICE.
8½ x 10½	30	each, \$
9 x 10	30	each,
10 x 14	30	each,
10½ x 17	30	each,
12 x 18	25	each,
12 x 20	25	each,
13 x 22	20	each,
14 x 24	20	each,
15 x 26	16	each,
16 x 28	16	each,
18 x 30	14	each,
18 x 36	10	each,
18 x 40	10	each,
20 x 26	12	each,
20 x 28	12	each,

SIZE.	No. of Plates in Box.	PRICE.
20 x 32	12	each, \$
20 x 34	10	each,
20 x 36	10	each,
20 x 40	10	each,
20 x 48	8	each,
22 x 26	12	each,
22 x 28	12	each,
22 x 30	12	each,
22 x 38	8	each,
24 x 30	10	each,
24 x 36	10	each,
24 x 48	8	each,
26 x 40	8	each,
28 x 34	8	each,

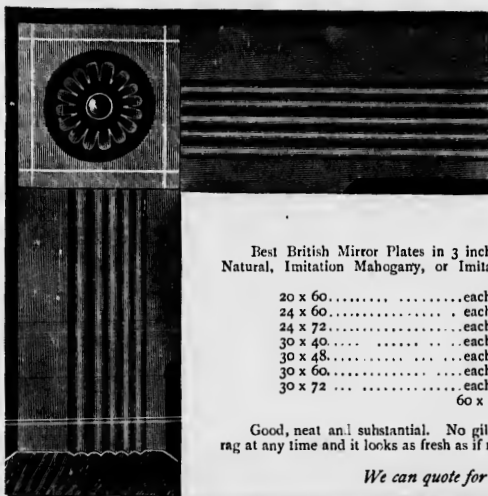
Mirror Plates bevelled to order.

SHOCK MIRROR PLATES.

SILVERED ON BEST WHITE BELGIAN GLASS.

SIZE.	No. of Plates in Box.	PRICE.
8 x 10	30	each, \$
8½ x 10½	30	each,
9 x 12	30	each,
10 x 14	30	each,

SIZE.	No. of Plates in Box.	PRICE.
10½ x 17	30	each, \$
12 x 18	20	each,
12 x 20	20	each,
14 x 24	20	each,



SHOW ROOM MIRRORS.

FOR MILLINERY, DRESSMAKING, TAILORING OR DRY GOODS SHOW ROOMS, ETC.

Best British Mirror Plates in 3 inch reeded moulding of Walnut, Oak or Cherry in its various finishes, Natural, Imitation Mahogany, or Imitation Ebony.

20 x 60	each, \$15 00	36 x 40	each, \$16 85
24 x 60	each, 16 85	36 x 46	each, 18 75
24 x 72	each, 20 00	36 x 60	each, 22 50
30 x 40	each, 15 00	36 x 72	each, 26 25
30 x 48	each, 16 85	40 x 50	each, 21 25
30 x 60	each, 20 00	48 x 60	each, 30 00
30 x 72	each, 22 50	54 x 72	each, 40 00
60 x 96	each, \$58.75		

Good, neat and substantial. No gilt to tarnish or get destroyed in cleaning. Rub the frame with an oiled rag at any time and it looks as fresh as if new.

We can quote for any size up to 96 x 120 to fit special spaces.

MIRRORS

ARCH TOP MIRRORS.



IMITATION SATIN WOOD FRAME, 1 1/4 INCH WIDE.

SIZE.	PER DOZEN.
7 x 9	\$ 3 75
8 x 10	4 20
9 x 12	5 00
10 x 14	6 00
10 1/2 x 17	7 75
12 x 18	8 35
12 x 20	9 00
14 x 24	12 75



FANCY TOP MIRRORS.

CALIFORNIA WALNUT. GILT LINES.

12 x 20 inch	-	-	-	-	-	per dozen, \$12 00
14 x 24 inch	-	-	-	-	-	per dozen, 15 00

LOUISE MIRRORS

3/4 INCH BLACK AND WHITE ENAMELLED FRAMES.

Size, inches,	4 x 6	5 x 7	6 x 9	7 x 9	8 x 10	9 x 12	10 x 14
Per dozen,	\$1 35	1 50	2 00	2 15	2 85	3 20	3 75

X. L. MIRRORS.

1 INCH STAINED PINE FRAMES.

Size, inches,	4 x 6	5 x 7	6 x 9	7 x 9	8 x 10	9 x 12	10 x 14
Per dozen,	\$1 10	1 20	1 55	1 80	2 10	2 65	3 05

"BUFFALO"

LIQUID COLORS

THE BEST IN THE WORLD.

NO CHEMICAL COMBINATION, BENZINE OR SOAP MIXTURE.

WARRANTED PURE LINSEED OIL PAINTS.

*Ready for application without other manipulation than simply stirring with a stick
to render the mass of like consistency.*

We present the shades of our "Buffalo" Liquid Colors on pages 919 and 921, representing 32 of the latest artistic shades. These colors are put up in packages of various sizes from a barrel of 45 gallons down to as small a quantity as one pound at the following prices.

PRICES.

	Ordinary Colors.	French Green, Blue and Bright Red.
Barrels - - - - -	per imperial gallon, \$1 80	\$2 60
Kegs and 5-gallon Buckets - - - - -	" " 1 90	2 65
1 Gallon Cans, packed 6 in a case - - - - -	" " 2 00	2 75
1/2 " " " 12 " - - - - -	" " 2 10	2 85
1/4 " " " 24 " - - - - -	" " 2 20	3 00
1 and 2 lb. Tins, 100 lbs. in a case - - - - -	per lb., 18	25

To estimate the covering capacity: One imperial gallon will give two coats on 265 square feet of wood surface. Allow for gable ends, if any.

To estimate the amount of paint required:
add the number of feet in width of front and rear
to the number of feet in length of building (both
sides), multiply by the average height, and divide by
265 for two coats:

[Example] Front, 28 feet.
Rear, 28 "
Side, 36 "
Side, 36 "

128 "
Multiply by height, 23 "

265).2944 (11 1/10 gallons for 2 coats.

DIRECTIONS.

Stir the paint thoroughly from the bottom before using.

For priming, use the paint of medium thickness; size all knots or sappy portions with shellac.

Putty all nail holes, etc., after first coat.

Let first coat get thoroughly hard before applying second.

Do not apply paint when the work is wet or damp.

Do not spread or brush paint too much; it only requires to be spread evenly.

Use full brush and light hand.

If too thick, thin with boiled oil.

If no gloss is desired use turpentine.

THE BUFFALO

LIQUID

MIXED READY FOR USE

COLORS.

THE BEST IN THE WORLD

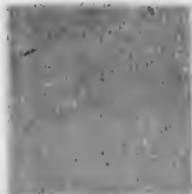
TRADE MARK

WARRANTED PURE LINSEED OIL PAINTS.

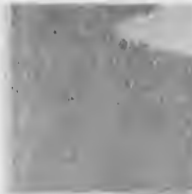
PURE GREY.



LIGHT FAWN.



LIGHT STRAW.



SOOT STONE GREY.



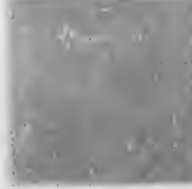
LILAC.



GREY STONE.



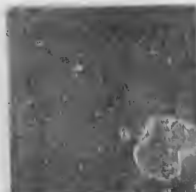
CANARY.



FLESH TINT.



PALE GREEN.



LAVENDER.



VANDYKE DRAB.



GREEN STONE.



PARROT GREEN.



SLATE COLOR.

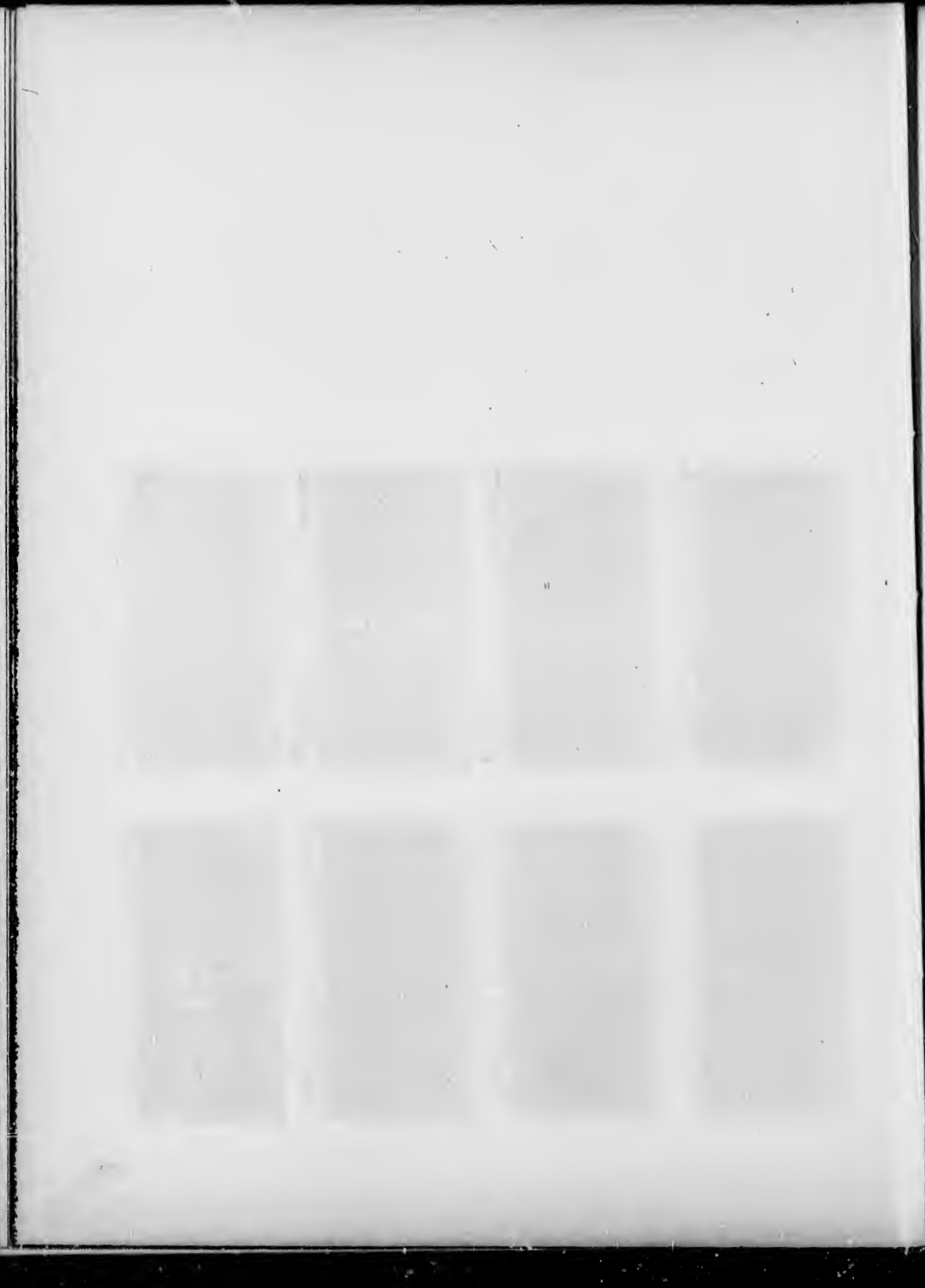


BROWN STONE.



CITRINE.





ST



THE BUFFALO

LIQUID

















THE BEST IN THE WORLD

COLORS.

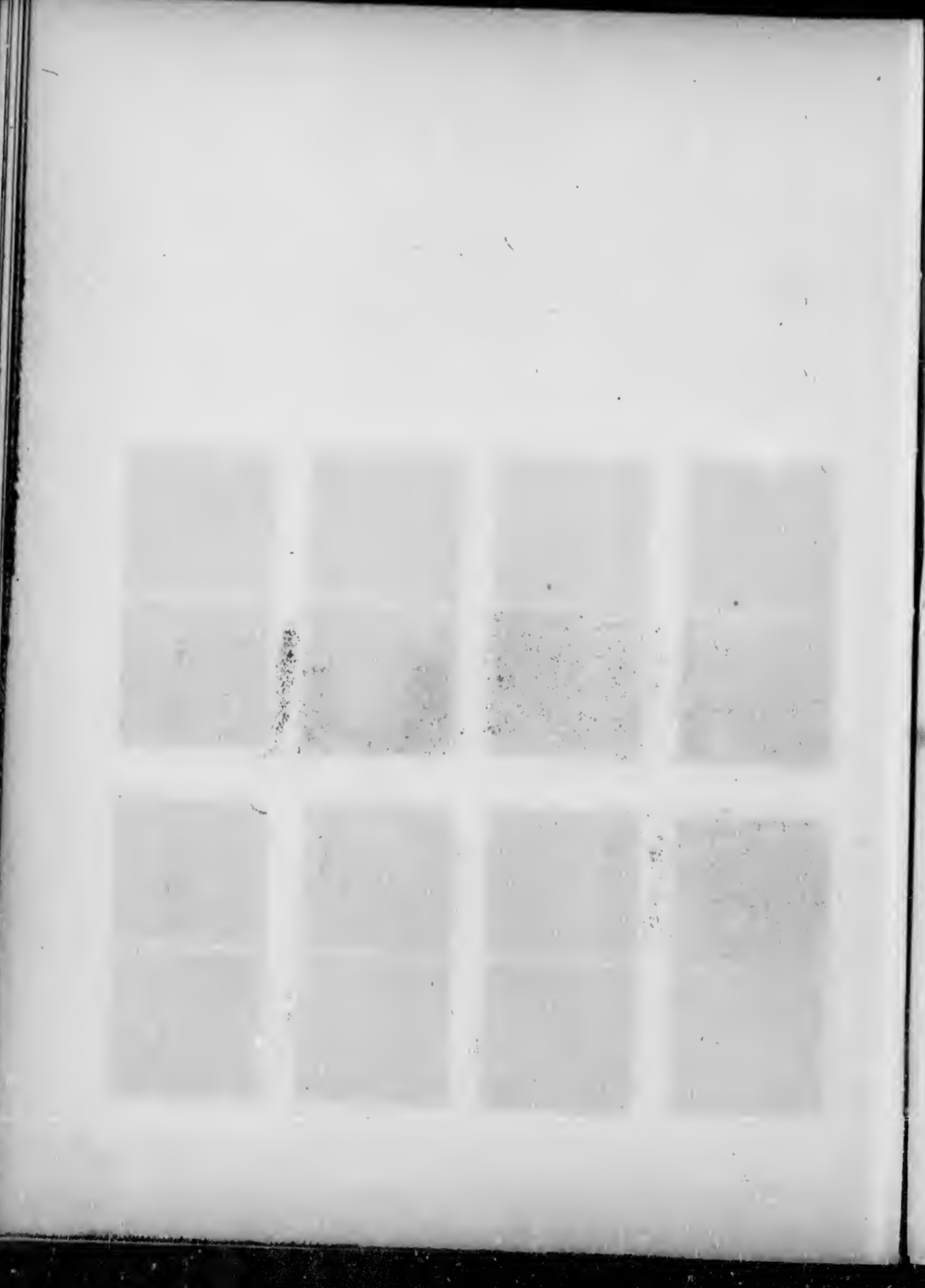
MIXED
READY FOR USE

TRADE MARK.

WARRANTED PURE LINSEED OIL PAINTS. *

GOLDEN BROWN.	BRONZE GREEN, MEDIUM.	AMBER BROWN.	YELLOW STONE.
			
			
RUSSET.	FRENCH GREEN.	BROWN DRAB.	FRENCH OLIVE.
BRIGHT RED.	QUAKER DRAB, MEDIUM.	LIGHT BLUE.	TERRA COTTA.
			
			
IRON BROWN.	OLIVE.	PURE BLUE.	DARK TERRA COTTA.

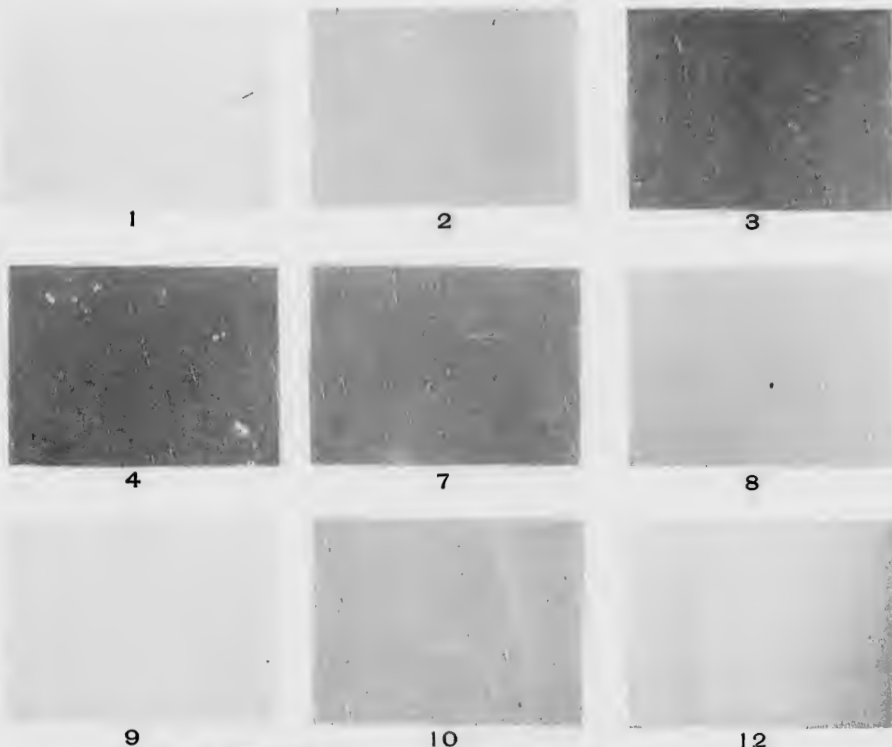
OUTSIDE WHITE. -- INSIDE WHITE. — BLACK.



JOHNSON'S

PREPARED KALSOMINE

IN ARTISTIC SHADES FOR TINTING WALLS.



PURE WHITE KALSOMINE.

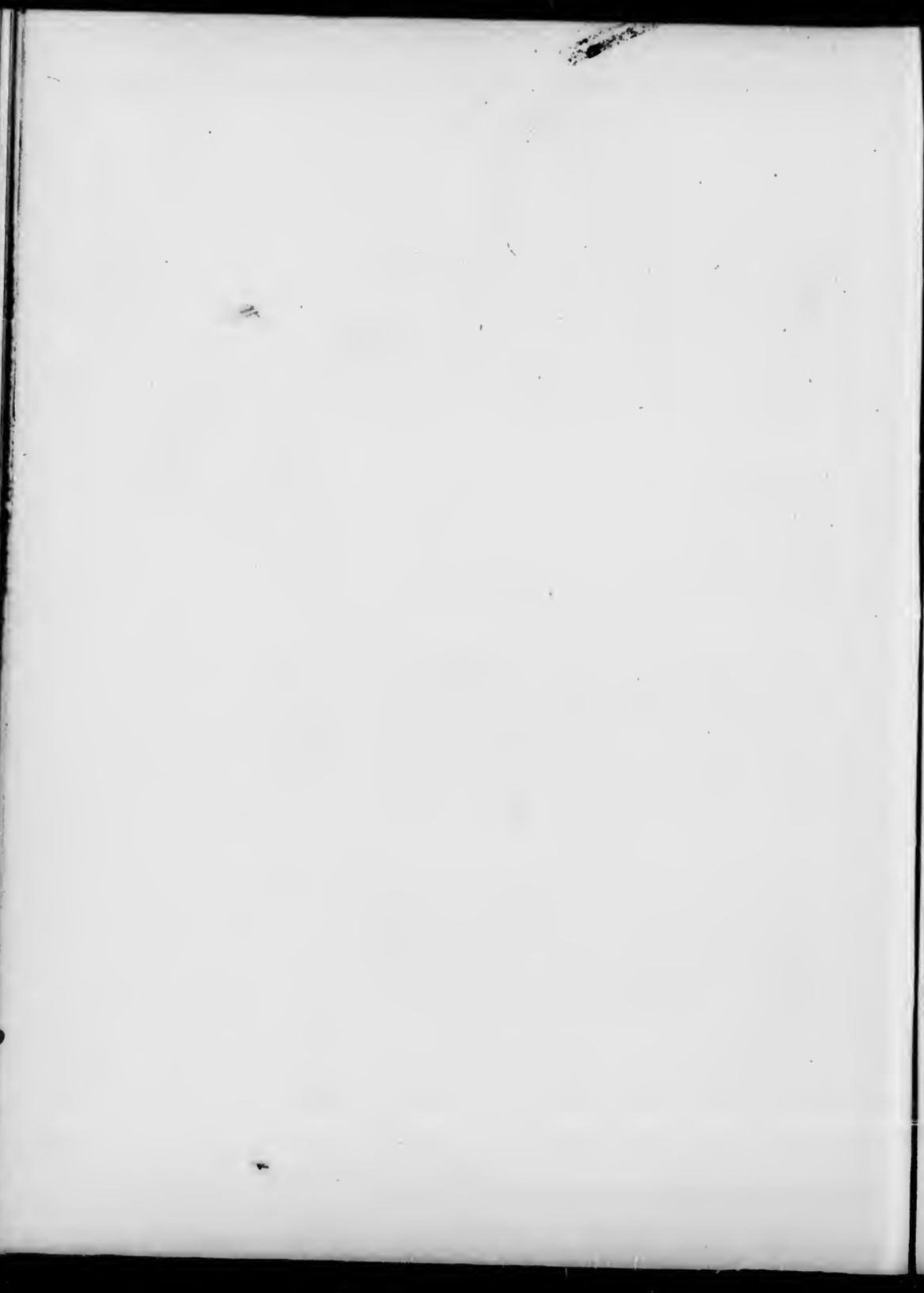
DIRECTIONS FOR USE.

To six pounds of PREPARED KALSOMINE add three pints of boiling water, and stir the mixture till it is thoroughly dissolved and free from lumps; let it cool, then add another three pints of cold water, and stir well again until quite cool, when it will be ready to apply.

PUT UP IN 6-LB. PACKAGES.

10 PACKAGES IN A CASE.

One 6-lb. Package will Tint and Cover 400 square feet.



COLORED PAINTS

IN 25 LB. IRONS.

Venetian Red	per iron, \$	Ochre Paint, Spruce	per iron, \$
Yellow Paint	per iron,	Blue Paint	per iron,
Black Paint	per iron,	Green Paint	per iron,
Brown Paint	per iron.	Ochre Paint, Golden	per iron,

OXIDE OF IRON PAINT

PLUM COLOR AND PURPLE OXIDE, MIXED IN OIL.

Used largely for Window Blinds, Iron or Shingle Roofs, or for any purpose where a water and weather-proof paint is required.

Paste Form, in 25 lb. irons	per lb., \$
Paste Form, in 100 lb. kegs	per lb.,
Paste Form, in 600 lb. casks	per lb.,

MIXED READY FOR USE.

Liquid Form, in 1 gall. tins	\$
Liquid Form, in 42 gall. barrels	

WHITE LEAD

In 25 lb. irons	per 100 lbs., \$	In 100 or 200 lb. kegs	per 100 lbs., \$

In 25 lb. irons	per 100 lbs., \$	In 100 or 200 lb. kegs	per 100 lbs., \$
-----------------	------------------	------------------------	------------------

GENUINE.

In 25 lb. irons	per 100 lbs., \$	In 100 or 200 lb. kegs	per 100 lbs., \$
-----------------	------------------	------------------------	------------------

"OUR OWN," No. 1.

In 25 lb. irons	per 100 lbs., \$	In 100 lb. kegs	per 100 lbs., \$
In tins of 1, 2, 3, 4, 5 and 10 lbs., assorted in case of 100 lbs.			per 100 lbs.,

NEWCASTLE.

In 25 lb. pails, 4 pails in case (free of charge)	per case, \$
---	--------------

JAMES' GENUINE.

In 25 lb. kegs....per 100 lbs., \$	In 100 lb. kegs....per keg, \$	In 3 cwt. firkins....per 100 lbs., \$
------------------------------------	--------------------------------	---------------------------------------

JAMES' No. 1.

In 25 lb. kegs....per 100 lbs., \$	In 100 lb. kegs....per keg, \$	In 3 cwt. firkins....per 100 lbs., \$
------------------------------------	--------------------------------	---------------------------------------

ZINC PAINTS

PURE WHITE ZINC.

In 25 lb. irons	per 100 lbs., \$	In 100 lb. kegs	per 100 lbs., \$
-----------------	------------------	-----------------	------------------

GENUINE WHITE ZINC.

In 25 lb. irons	per 100 lbs., \$	In 100 lb. kegs	per 100 lbs., \$
-----------------	------------------	-----------------	------------------

JOHNSON'S PURE COLORS

GROUND IN OIL.

WARRANTED SUPERIOR TO ANY PAINTS IN THE MARKET.

	ASSORTED CANS.		ASSORTED CANS.
Raw and Burnt Umber	per lb., \$0.18	Royal Red	per lb., \$0.13
Raw and Burnt Sienna	" .20	Western Red	" .50
Vandyke Brown	" .20	American Vermilion, L and D	" .25
Refined Lamp Black	" .16	Rose Pink	" .35
Coach Black	" .25	Chrome Yellow, L, M, O and DO	" .25
Sign Writers' Black	" .25	Yellow Ochre, (in 100 lb. kegs, 11c)	" .12
Ivory Black	" .25	Golden Ochre	" .20
Drop Black	" .25	Spruce Ochre	" .15
Lettering Black	" .25	Oxford Ochre	" .15
Prussian Blue	" .50	Flake White	" .25
Ultramarine Blue	" .25	Patent Dryer	" .08
Chinese Blue	" .50	Wine Color, L and D	" .35
Azure Blue	" .40	OJ, Vermilionette	" .35
Chrome Green, L, M and D	" .18	OJX, "	" .30
French Permanent Green, L, M and D	" .20	OJXX, "	" .25
Ever Green	" .25	Graining Colors, Light Oak	
Paris Green	" .25	" " Dark Oak	
Quaker or Olive Green, L & D, and E & D	" .25	" " Walnut	" .20
Bronze Green, L, M and D	" .25	" " Chestnut	
Indian Red	" .20	" " Ash	
Venetian Red (in 100 lb. kegs, 11c)	" .12	Wood Filler	" .20
Tuscan Red	" .28	Distemper Colors, 1 lb. bottles	" .20

COLORS IN OIL

IN SMALL TINS.

	ASSORTED CANS.
Raw and Burnt Umber	per lb., \$0.10
Raw and Burnt Sienna	" .10
Vandyke Brown	" .10
Drop Black	" .15
Black Paint	" .10
Coach Black	" .15
Prussian Blue	" .28
Ultramarine Blue	" .18
Blue Paint	" .12
Chrome Green, L, M and D	" .12
Brunswick Green	" .12
Paris Green	" .14
Indian Red	" .16
Venetian Red	" .10
American Vermilion	" .18
Chrome Yellow, L, M, O and DO	" .18
Yellow Ochre	" .10
French Chrome Yellow, L, M, D and DO	" .10
Brown Paint	" .10
Spruce Ochre	" .10
Rose Pink	" .16

All the above Colors put up in 25 lb. irons at a reduction of 2c. per lb.

JOHNSON'S SUPERFINE COACH PAINTERS' COLORS

FOR
HOBBS
COACH, CARRIAGE AND CAR WORK.

THESE COLORS ARE GROUND IN JAPAN, AND WILL DRY AT ONCE.

Ivory Jet Black	per lb., \$0.55	Azure Blue.....	per lb., \$0.90
Ivory Black.....	" .45	Silver White.....	" .36
Coach Painters' Drop Black.....	" .35	Flake White.....	" .50
Lamp Black.....	" .30	Cremnitz White.....	" .50
Wine Color, L and D.....	" .35	Quaker Green, L, M and D.....	" .50
Tuscan Red.....	" .75	Coach Painters' Green, L, M and D.....	" .50
Royal Red.....	" .25	Very Deep Green.....	" 1.00
Indian Red.....	" .40	Milori Green, L, M and D.....	" 1.25
Western Red.....	" .70	New Green.....	" .75
American Vermilion, L and D.....	" 1.50	Brilliant Green.....	" .80
Eureka Vermilion.....	" .75	Green, L, M and D.....	" 1.25
English Vermilion, L and D (Subject to Augmentation).....	" .50	Nile Green.....	" 2.00
Rose Pink.....	" .50	Merrimac Green, L, M and D.....	" .55
Raw and Burnt Turkey Umber.....	" .35	French Chrome Yellow.....	" 1.25
Vandyke Brown.....	" .45	Chrome Yellow, L, M & D and DO.....	" .50
Amber Brown.....	" .75	Perfect Yellow.....	" 3.25
Portland Brown.....	" .60	Citron Yellow.....	" .70
Portland Amber.....	" .75	Naples Yellow, L and D.....	" 1.25
Baldwin Brown.....	" .65	Dutch Pink.....	" .50
Raw and Burnt Italian Sienna.....	" .37	Golden Ochre.....	" .40
Chinese Blue.....	" 1.25	Imitation of Gold for Striping.....	" .75
Ultramarine Blue.....	" 1.00	Car Body Color.....	" .40
Prussian Blue.....	" 1.25	Pullman Standard Car Body Color.....	" .50
Cobalt Blue.....	" 2.50	Grand Trunk Standard Car Body Color.....	" .50
Perfect Blue.....	" 2.00	Claret Color.....	" .35

MASURY'S
LONDON
SUPERFINE COACH PAINTERS' DROP BLACK
GROUND IN JAPAN.

Masury's Superfine Coach Painters' Drop Black

per lb., \$

IN ONE POUND TINS.

FINELY PREPARED OIL COLORS

IN COLLAPSIBLE TUBES.

Flake White in Double Tubes, \$2.40 per dozen; Treble, \$3.60 per dozen; Quadruple, \$4.80 per dozen; Single Tubes, \$1.20 per dozen.

Antwerp Blue.	Chrome Deep.	Magilp.	Raw Sienna.
Asphaltum (thick).	Chrome Lemon.	Medium.	Raw Umber.
Bitumen.	Chrome Orange.	Mummy.	Flake White.
Black Lead.	Chrome Red.	Mauve.	Gamboge.
Blanc d'Argent.	Cologne Earth.	Mauve *2.	Sap Green.
Blue Black.	Cool Roman Ochre.	Magenta.	Silver White.
Bone Brown.	Copal Megilp.	Naples Yellow French.	Sugar of Lead.
Brown Ochre.	Cork Black.	Naples Yellow.	Terra Rosa.
Brown Pink.	Cremnitz White.	Neutral Tint.	Terra Verte.
Burnt Roman Ochre.	Crimson Lake.	New Blue.	Transparent Gold Ochre.
Burnt Sienna.	Emerald Green.	Orpiment.	Vandyke Brown.
Burnt Umber.	Indian Lake.	Olive Lake.	Roman Ochre.
Chinese Blue.	Indian Red (light).	Oxford Ochre.	Scarlet Lake.
Caledonian Brown.	Indigo.	Payne's Grey.	Venetian Red.
Cappah Brown.	Italian Pink.	Permanent Blue.	Verdigris.
Cassel Earth.	Ivory Black.	Permanent White.	Verona Brown.
Chrome Green, No. 1, M.	Jaune Brilliant.	Prussian Blue.	Yellow Ochre.
Chrome Green, No. 2, O	King's Yellow.	Prussian Brown.	Yellow Lake.
Chrome Green, No. 3, S.	Lamp Black.	Purple Lake.	Yellow Orpiment.
Chrome Yellow.	Light Red.	Pyne's Megilp.	Zinc White.

\$2.20 PER DOZEN.

Azure Blue.	Burnt Lake.	Chinese Vermilion.	Sepia.
Brown Madder.	Cerulean Blue.	French Vermilion.	Vermilion.

\$4.00 PER DOZEN.

Carmine, No. 2.	Indian Yellow (imitation).	Mars Violet.	Runbrandt's Mad.
Citron Yellow.	Lemon Yellow, Pale.	Mars Yellow.	Rose Madder.
Cobalt Blue.	Lemon Yellow.	Mineral Grey.	Ruben's Madder.
Extract of Vermilion.	Madder Lake.	Orange Vermilion.	Scarlet Vermilion.
French Ultramarine.	Malachite Green.	Oxide of Chromium.	Stronlian Yellow.
French Veronese Green.	Mars Brown.	Oxide of Chromium Transparent.	Veridian.
Geranium Lake.	Mars Red.	Pink Madder.	

\$6.00 PER DOZEN.

Brilliant Ultramarine.	Cadmium Pale.	Field's Orange Vermilion.	Mars Orange.
Burnt Carmine.	Cadmium Orange.	Indian Yellow.	Purple Madder.
Carmine.	Extra Malachite Green.	Madder Carmine.	Violet Carmine.
Cadmium Yellow.			

DRY COLORS

LAMP BLACKS.

* ORDINARY.

EAGLE GERMANTOWN.

Assorted Papers	per lb.,	cents.	Assorted Papers	per lb.,	cents.
Whole Papers	per lb.,	cents.	One Pound Papers	per lb.,	cents.
Half Papers	per lb.,	cents.	Half Pound Papers	per lb.,	cents.
Quarter Papers	per lb.,	cents.	Quarter Pound Papers	per lb.,	cents.

* Ordinary Lamp Black is sold by count, the wholes containing about twelve ounces, the halves and quarters in proportion. Germantown are full weight.

BLACKS.

Drop Black, No. 1, Powdered	per lb.,
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BLUES.

Ultramarine Blue, Ordinary, in boxes of 28 pounds	per lb.,
Ultramarine Blue, Deep, in boxes of 28 pounds	per lb.,
Celestial, No. 1	per lb.,
Prussian, Deep, Powdered	per lb.,

GREENS.

French Imperial, in 100 lb. kegs	per lb.,	Paris, Light, in bulk	per lb.,
French Imperial, 6 lb. tins	per lb.,	Paris, Light, $\frac{1}{2}$ and 1 lb. tins	per lb.,
Chrome Super., 100 lb. kegs	per lb.,	Paris, Deep, in bulk	per lb.,
Chrome Super., 6 lb. tins	per lb.,	Paris, Deep, $\frac{1}{2}$ and 1 lb. tins	per lb.,
Brunswick Green, Super.	per lb.,	Dresden, bulk	per lb.,
English Imperial	per lb.,	Dresden, 6 lb. tins	per lb.,
Munich	per lb.,		

REDS.

Indian Red, English Light	per lb.,
Indian Red, English Deep	per lb.,
Indian Red, American, in 100 lb. kegs and bulk	per lb.,
Venetian Red, Best in barrels	per lb.,
Venetian Red, No. 1, in barrels	per lb.,
Red Lead, James' Genuine, 100 lb. kegs and bulk	per lb.,
Red Lead, No. 1, 100 lb. kegs	per lb.,

VERMILIONS.

English Pale	per lb.,	American, in 6 lb. tins	per lb.,
English Deep	per lb.,	Alaska	per lb.,
American	per lb.,	Vermilionette, "Our Own"	per lb.,

PINKS.

Rose Pink	per lb.,
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Chrome Lemon	} 6 lb Tins.....	Per lb.
Chrome Medium		
Chrome Orange		

Ochre Ordinary, Barrels	Per lb,
Ochre Oxford, "	Per lb,
Ochre Golden, "	Per lb,

Spanish, - - - - -	Per lb,
Vandyke, Powdered - - - - -	Per lb,
Umber, Raw Turkey - - - - -	Per lb,

Umber, Burnt Turkey - - - - -	Per lb,
Sienna, Raw Italian - - - - -	Per lb,
Sienna, Burnt Italian - - - - -	Per lb,

Oxide of Iron, light, in Barrels of about 300 lbs.	Per lb,
" " Medium, " " " "	Per lb,
" " Deep, " " " "	Per lb,
Winter's Metallic Brown, " " " "	Per lb,
Drab Earth Paint, " " " "	Per lb,
Slate " " " " " "	Per lb,
Olive " " " " " "	Per lb,
Chocolate " " " " " "	Per lb,

Paris, White.....	Per 100 lbs, \$
Whiting, London Washed.....	Per 100 lbs,
Oxide of Zinc, Genuine.....	Per 100 lbs,

White Lead, James' Genuine, 100 lb Keg.	Per 100 lbs, \$
White Lead, James' Genuine, Firkins.....	Per 100 lbs,
White Lead, No. 1, 100 lb Kegs.....	Per 100 lbs,
White Lead, No. 1, Firkins.....	Per 100 lbs,

Gold Leaf, 20 Books in a Pack - - - - -	Per Pack \$
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Gold Bronze, L and D, in 1 oz. papers - - - - -	Per Paper,
Natural Copper, 1 oz. papers - - - - -	Per Paper,
Silver Bronze, 1 oz. papers - - - - -	Per Paper,

Bladders, put up in Barrels - - - - -	Per 100 lbs, \$
Bulk, put up in Pails of about 50 lbs - - - - -	Per 100 lbs,

Lump - - - - -	Per lb,	Pulverized - - - - -	per lb,
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Roofing Pitch, in Barrels of about 300 lbs - - - - -	per bbl,
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Gas Tar, in Barrels - - - - -	Per bbl,
Pine Tar, 1/2 Pint Cans - - - - -	Per dozen,
Pine Tar, Pint Cans - - - - -	Per dozen,
Pine Tar, Quart Cans - - - - -	Per dozen,

These cans are substantially made and neatly labeled. The contents is strictly Pure Pine Tar, refined and free from all extraneous matter.

Light Grade Rosin - - - - -	Per 100 lbs, \$	Amber Grade Rosin - - - - -	Per Barrel of 280 lbs, \$
Light Grade Rosin - - - - -	Per Barrel of 280 lbs,	Dark Amber Rosin - - - - -	Per 100 lbs,
Amber Grade Rosin - - - - -	Per 100 lbs,	Dark Amber Rosin - - - - -	Per Barrel of 280 lbs,

VARNISHES

931

Durable Wearing Body Varnish.

A pale Varnish of great durability, for finishing fine Carriages and Railway Coaches; works freely, dries dust free in 10 hours, and can be removed in 3 to 4 days.....Price..

Hard Drying Body Varnish.

Possesses medium heavy body, works freely, and may be used for finishing hurried jobs.....Price..

Elastic Gear Varnish.

For finishing Carriage Gears, dries free from tack in 8 to 10 hours, very brilliant and durable.....Price..

Hard Drying Rubbing Varnish.

Will rub in three days without sweating.....Price..

Coach or Carriage Varnish.

For finishing Carriage Gears over flat color, also second-hand work; very heavy bodied, works easily and dries in 24 hours.....Price..

No. 1 Coach Varnish.

Pale, quick-drying Varnish, possessing heavy body; for general Carriage work, repairing, &c., dries over night.....Price..

Gold Size Japan.

Gold Size Japan.....Price..

Brown Japan.

For general work, is a quick dryer.....Price..

Black Japan.

Black Japan.....Price..

Extra Light Furniture Varnish.

Very light in color, heavy body, for general Cabinet use and light inside grainings, dries in 8 hours.....Price..

No. 1 Furniture Varnish.

A quick drying, heavy-bodied Varnish.....Price..

Pure White Shellac Varnish.

For knotting, also for finishing very light colored works.....Price..

Best Brown Shellac.

Best Brown Shellac.....Price..

Orange Shellac.

Orange Shellac.....Price..

Lightning Dryers.

Lightning Dryers.....Price..

Excelsior Dryers.

Excel-ior Dryers.....Price..

Spirit Copal.

For varnishing Maps, Labels, &c., dries in 30 minutes.....Price..

Elastic Oak.

Elastic Oak.....Price..

Extra Heavy White Damar Varnish.

Perfectly transparent and very heavy bodied.....Price..

Hard Oil Finish.

For finishing Black Walnut and other dark works.....Price..

Black Asphaltum.

Black Asphaltum.....Price..

Black Walnut Stain.

Black Walnut Stain.....Price..

Stovepipe Varnish.

Stone Jars.....Per dozen..

Bottles.....Per dozen..

Nonsuch Stovepipe Varnish.....Per dozen..

Spirits of Turpentine.

Barrels.....Per Imp. gallon..

Two Cans in case; case contains 10 wine gallons; no charge for packages.....Per case..

OILS

Linseed, Double Boiled.....	Per gal., \$
Linseed, Pale Boiled.....	"
Linseed, Raw.....	"
Globe Paint Oil, Boiled.....	"
Globe Paint Oil, Raw.....	"
No. 1 Lard, Winter Pressed.....	"
Seal, Pale Straw, Steam Refined.....	"
Mineral Seal.....	"
Castor, Pure, 4 tins in case.....	Per lb.,
Olive.....	Per gal.,
Neat's Foot.....	"

Sperm.....	Per gal., \$
Straits Cod.....	"
Tanners'.....	"
Black Lubricating.....	Per bid.,
West Virginia.....	Per gal.,
"Excelsior" Heavy Machine.....	"
XXXX Engine.....	"
Oleine.....	"
Cylinder.....	"
Refined Coal Oil.....	"
Water White Refined Coal Oil.....	"

AXLE GREASE

IN WOOD BOXES.

Axle Grease.....	Per gross, \$
------------------	---------------

Quarter gross in a box

PLUMBAGO

No. 1 Plumbago.....	Per 100 lbs., \$
No. 2 Plumbago.....	Per 100 lbs.,

BORAX

Crystal Borax.....	Per lb., \$
Powdered Borax.....	Per lb.,



STOVE POLISH

"NONSUCH"

IN BOXES OF TWO, THREE AND FOUR DOZEN EACH.

Per dozen \$

CHAMPION STOVE PASTE

ONE DOZEN IN BOX.

Per dozen \$



"ROYAL" STOVE POLISH

ROYAL DOME LEAD

HALF DOZEN DOMES IN PAPER BOX. SIX BOXES IN PACKAGE.

Per gross \$



UNIVERSAL

METAL MAGIC PASTE

FOR POLISHING SILVERWARE AND METALS.

ONE DOZEN BOXES IN PACKAGE.

Per dozen \$

JACQUOT & CO.'S FRENCH BLACKING

933



No. 2 Jacquot & Co.'s French Blacking



per gross, \$



No. 3 Jacquot & Co.'s French Blacking



per gross, \$



No. 4 Jacquot & Co.'s French Blacking



per gross, \$

One dozen boxes in a package, half gross in a case.

BRUSHES

MANUFACTURED BY THE LONDON BRUSH FACTORY.



GROUND PAINT BRUSHES.

A	GREY CENTRE. ROUND.									
	Nos.	7	6	5	4	3	2	1	1,0	2,0
	Per dozen,	\$1 20	1 60	2 00	2 65	3 00	3 70	4 10	5 25	6 75

WHITE PAINT BRUSHES.

A	WIRE BOUND, ALL WHITE BRISTLES. ROUND.							
	Nos.	1,0	2,0	3,0	4,0	5,0	6,0	7,0
	Per dozen,	\$7 70	9 10	11 50	14 30	16 75	19 10	21 75

EXTRA WHITE PAINT BRUSHES—X.

A	TWINE BOUND, ALL WHITE BRISTLES. ROUND.									
	Nos.	1,0	2,0	3,0	4,0	5,0	6,0	7,0	8,0	9,0
	Per dozen,	\$9 30	10 70	12 75	16 25	19 25	21 50	25 00	28 75	32 00



EXTRA OVAL GROUND PAINT OR VARNISH BRUSHES—X.

A	Nos.	7	6	5	4	3	2	1	1,0	2,0
	Per dozen,	\$1 35	1 60	2 10	2 70	3 25	3 85	4 65	5 75	6 90



EXTRA OVAL WHITE PAINT BRUSHES—X.

A	PAINTERS' STANDARD BRUSH. WIRE BOUND, ALL WHITE BRISTLES.					
	Nos.	4,0	5,0	6,0	7,0	8,0
	Per dozen,	\$17 00	19 50	21 50	24 75	28 00

SUPER. WHITE PAINT BRUSHES.

A	OVAL OR ROUND. WIRE OR TWINE BOUND. SELECTED ALL WHITE RUSSIA BRISTLES. SOLID.			
	Nos.	6,0	7,0	8,0
	Per dozen,	\$26 75	30 25	34 00

The best made Paint and Varnish Brushes are liable to shrink more or less if kept in very warm or dry places. All good workmen know how to remedy this, and a word by dealers to consumers will often prevent annoyance to themselves and loss to manufacturers.

PAINT AND VARNISH BRUSHES SHOULD NEVER BE USED AS DUSTERS NOR USED DRY.

BRUSHES

935



FLAT PAINT OR WALL BRUSHES.

GREY CENTRE, LEATHER ROUND.

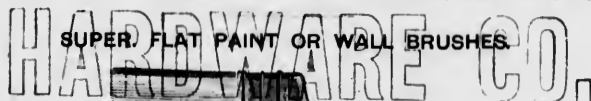
A No. 1					A No. 1.0				
Inch,	3	4	5	6	Inch,	3	4	5	6
Per dozen,	\$6 60	8 80	11 00	13 20	Per dozen,	\$11 00	13 20	15 65	18 70

A No. 2.0					A No. 3.0				
Inch,	3	4	5	6	Inch,	3	4	5	6
Per dozen,	\$14 30	16 00	17 60	20 35	Per dozen,	\$21 50	25 30	28 60	33 00

FLAT PAINT OR WALL BRUSHES.

ALL WHITE BRISTLES, LEATHER AND BRASS BOUND.

A No. 1					A No. 1.0					A No. 3.0				
Inch,	2½	3	4	5	Inch,	3	4	5	6	Inch,	3	4	5	6
Per dozen,	\$6 50	8 00	10 00	12 00	Per dozen,	\$13 20	16 50	19 80	23 00	Per dozen,	\$21 50	25 30	28 60	33 00



SUPER. FLAT PAINT OR WALL BRUSHES.

GREY CENTRE, ALL BRISTLES, METAL BOUND.

A No. 1.0					A No. 2.0				
Inch,	2½	3	4	5	Inch,	3	4	5	6
Per dozen,	\$6 50	8 80	11 00	13 20	Per dozen,	\$13 20	15 40	17 60	

SUPER. FLAT PAINT OR WALL BRUSHES.

ALL WHITE BRISTLES, METAL BOUND.

A No. 1					A No. 1.0					A No. 3.0				
Inch,	3	4	5	6	Inch,	3	4	5	6	Inch,	3	4	5	6
Per dozen,	\$11 00	13 20	16 50		Per dozen,	\$14 60	17 60	20 35		Per dozen,	\$22 00	25 85	29 20	

OVAL VARNISH OR PAINT BRUSHES.



WIRE BOUND, ALL WHITE BRISTLES.

A														
Nos.	7	6	5	4	3	2	1	1.0	2.0	3.0	4.0	5.0	6.0	7.0
Per dozen	\$2 00	2 50	3 10	3 75	4 40	5 50	6 60	7 30	8 50	9 70	11 00	13 00	15 25	18 00



A

Nos.	7	6	5	4	3	2	1	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Per dozen, \$2	20	2 75	3 30	4 50	5 40	6 75	7 50	8 50	10 00	11 50	13 25	16 00	18 50	22 00	25 75	29 50

A

Nos.	0000	000	00	0	1	2	3	4	5	6	7	8
Per dozen,	\$4 00	5 00	7 25	9 10	10 00	13 20	16 00	19 50	24 00	29 00	35 00	39 00

A

Nos.	1,0	2,0	3,0	4,0	5,0
Per dozen,	\$9 00	12 00	15 25	18 75	22 50

A

Nos.	2,0	4,0	6,0
Per dozen,	\$8 25	13 25	17 75



A

Inch,	1	1½	2	2½
Per dozen,	\$1 25	2 00	2 50	3 00

A

Inch,	1	1½	2	2½
Per dozen,	\$1 80	2 75	3 50	4 50

A

Inch,	1	1½	2	2½	3	3½	4
Per dozen,	\$2 25	3 00	4 00	5 00	6 00	7 50	9 00

A

Inch,	1	1½	2	2½
Per dozen,	\$1 50	2 25	3 00	4 00

BRUSHES

937



CHISELED FLOWING VARNISH BRUSHES.

A	ORDINARY.			
Inch,	1	1 1/2	2	2 1/2
Per dozen,	\$3 25	4 50	6 50	9 00

SINGLE THICK—X.

A	FINEST SELECTED FRENCH BRISTLES, BROKEN IN READY FOR USE. CEMENTED AND NAILED.			
Inch,	1	1 1/2	2	3
Per dozen,	\$4 00	5 50	7 50	12 00

DOUBLE THICK XX.

A	BRASS BOUND, CEMENTED AND DOUBLE NAILED.			
Inch,	1	1 1/2	2	3
Per dozen,	\$4 75	7 00	9 00	14 50

WIRE BOUND SASH TOOLS—X.

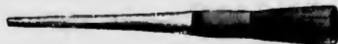
A	HARDWARE CO.							
Nos.	1	2	3	4	5	6	7	8
Per dozen,	\$0 75	1 00	1 35	1 65	2 00	2 45	2 80	3 25

CHISELED SASH TOOLS—XX.



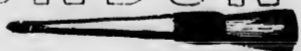
A	SELECTED FRENCH BRISTLES, WIRE BOUND. ROUND.			
Nos.	4	6	8	10
Per dozen,	\$2 80	3 85	5 20	6 40

SUPER. SASH TOOLS—XXX.



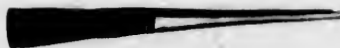
A	SELECTED FRENCH BRISTLES, WIRE BOUND.			
Nos.	4	6	8	10
Per dozen,	\$2 75	3 75	5 00	6 30

TWINE BOUND SASH TOOLS.



A												
Nos.	1	2	3	4	5	6	7	8	9	10	12	15
Per dozen,	\$0 90	1 10	1 50	1 80	2 20	2 75	3 30	4 00	4 85	6 00	8 25	10 00

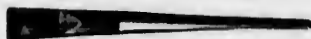
BRUSHES.



TIN BOUND SASH TOOLS.

A		ROUND AND FLAT.									
Nos.		1	2	3	4	5	6	7	8	9	10
Per dozen,		\$0 90	1 10	1 30	1 80	2 20	2 80	3 60	4 25	4 75	5 75

FLAT CHISELED SASH TOOLS.



A		TIN BOUND, RIVETED.			
Nos.	4	6	8	10	
Per dozen,	\$2 90	3 90	5 20	6 50	

KALSOMINE BRUSHES.



A		NO. 1,0.				A		NO. 6,0. WARRANTED BRISTLES.		
Inch,		6	6	7	8	Inch,		6	7	8
Per dozen,		\$6 00	7 00	8 00	9 00	Per dozen,		\$30 25	35 25	40 75
		NO. 2,0.						NO. 8,0 EXTRA.		
Inch,		6	7	8	9	Inch,		6	7	8
Per dozen,		\$8 00	10 00	12 00	14 00	Per dozen,		\$49 00	54 00	58 00
		NO. 3,0.						NO. 8,0. A.		
Inch,		6	7	8		Inch,		7	8	
Per dozen,		\$14 30	18 25	21 80		Per dozen,		\$42 00	46 50	
		NO. 4,0. WARRANTED BRISTLES.						NO. 10,0. BRASS BOUND SELECTED BRISTLES.		
Inch,		5	6	7	8	Inch,		7	8	
Per dozen,		\$15 40	19 80	25 30	29 75	Per dozen,		\$70 00	79 00	
		NO. 5,0. WARRANTED BRISTLES.						NO. 12,0. XX.		
Inch,		6	7	8		8 inch				
Per dozen,		\$25 50	29 50	32 40					per dozen, \$150 00	

BRUSHES

939



WHITEWASH BRUSHES OR HEADS.

NO. A.

		Per Doz.
A	6 in.	\$ 2 65
	7 in.	3 20
	8 in.	3 85
	9 in.	4 40

NO. 1 STAR.

A	5 in.	\$ 2 30
	6 in.	3 00
	7 in.	4 30
	8 in.	4 80
	9 in.	5 50

NO. 1, O.

A	5 in.	\$ 2 50
	6 in.	3 30
	7 in.	5 00
	8 in.	5 75
	9 in.	6 90

NO. 2, O. GREEN SEAL.

A	6 in.	\$ 4 30
	7 in.	6 00
	8 in.	7 00
	9 in.	8 90

NO. 3, O. ALL BRISTLES.

A	6 in.	\$ 6 50
	7 in.	10 00
	8 in.	12 00
	9 in.	15 00

PAINTERS DUSTERS.

DRAWN OR SET.



A	No. 2	\$ 4 85
	" 3	6 00
	" 4	7 25
	" 5	9 75
	" 6	14 00
	" 7, all white bristles	15 00
	" 8, " grey "	16 00
	Flat Dusters	10 00



PAPER HANGERS' SMOOTHING BRUSHES.

A	10 in., stiff or soft, grey bristles	\$12 00
	10 in., all white bristles	14 50
	12 in., stiff or soft, grey bristles	15 00
	14 in., stiff or soft, grey bristles	18 00
	10 in., extra, 4 rows, grey bristles	18 00
	12 in., extra, 4 rows, grey bristles	21 00



WHITEWASH HEADS OR BRUSHES.

NO. 4, O. ALL BRISTLES.

		Per Doz.
A	7 in.	\$17 00
	8 in.	20 60
	9 in.	24 00

NO. 6, O. ALL BRISTLES.

A	7 in.	\$24 75
	8 in.	28 90
	9 in.	33 60

NO. 7, O. ALL BRISTLES.

A	7 in.	\$31 00
	8 in.	36 50
	9 in.	41 25

NO. 8, O. ALL BRISTLES.

A	8 in.	\$44 00
	9 in.	51 00

SUPER HEADS—XX.

BRASS BOUND. ALL WHITE BRISTLES.

		8 in.	9 in.
A	No. 6, O.	\$8 00	\$56 00
	" 7, O.	61 00	70 00
	" 8, O.	73 00	85 00

BILL POSTERS HEADS.

ALL BRISTLES, GREY. LEATHER AND BRASS BOUND.

A	No. 7, O. 10 in.	\$75 80
	" 8, O. 10 in.	91 50

STENCIL BRUSHES.



A	No. 2	\$ 1 25
	" 4	1 75
	" 6	3 00
	" 8	4 75
	" 10	7 00
	" 12	9 50
	" 15, wire ferrules	12 00
	2 in. Diameter, drawn	3 30
	2½ in. " "	6 60
	3½ in. " "	15 00

STIPLERS OR WALNUT GRAINERS.



A	4 in.	\$18 70
	4 in., extra.	26 50

WALL STIPLING BRUSHES.

A	3½ x 8, Grey Bristles	\$39 6c
	3½ x 8, White "	44 00
	5 x 6, " " Handled	51 25
	5 x 7, " " "	54 75

BRISTLE FAN OR TOP GRAINERS.

A	2 in. to 4½ in., per in.	\$ 0 20
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BRUSHES



BRISTLE GRAINING BRUSHES.

SINGLE THICK.

		Per Doz.
A	1 in. to 3½ in., per in.	\$ 0 40
	DOUBLE THICK, RIVETED.	
A	1 in. to 4 in., per in.	\$ 0 50

BRISTLE GRAINING MOTTLED.

A	1 in.	\$ 3 25
	1½ in.	4 00
	2 in.	5 35
	2½ in.	6 75
	3 in.	9 00
	4 in.	11 25

STEEL GRAINING COMBS.

C	Per Set, 12 Combs.	\$ 2 00
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SEAMING BRUSHES.



A	4 in.	\$ 2 50
	5 in.	3 25
	6 in.	3 75

BRICK LINERS OR TRENCHERS.

A	2 in., 2½ in., 3 in.	\$ 1 50
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ENGLISH BRICK LINERS.



A	Assorted	\$ 4 00
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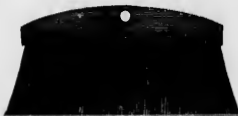
GLUE BRUSHES.

A	No. 1	\$ 3 25
	" 2	4 75
	" 3	7 50
	" 4	10 50
	" 6	12 00

ROOFING OR TAR BRUSHES.

DRAWN.

A	No. 1	\$12 00
	" 2	19 75
	" 3	26 50



ROOFING OR TAR BRUSHES.

		2 Knot.	2 Knots.	3 Knots.
A	Grey.	\$ 7 25	\$13 00	\$19 00
	White outside X.	16 50	32 00	47 30



BRISTLE ARTISTS' BRUSHES OR FITCHES.

FLAT.

		Per Doz.
A	½ in.	\$ 1 50
	¾ in.	2 00
	1 in.	2 15
	1½ in.	2 55
	2 in.	3 15
	2½ in.	3 65
	3 in.	4 15
	3½ in.	4 70
	4 in.	5 10

EX. BRISTLES ARTISTS' BRUSHES.

FLAT AND ROUND. POLISHED HANDLES.

A	No. 1—½ in.	\$ 1 25
	" 3—¾ in.	1 35
	" 5—1 in.	1 45
	" 7—1½ in.	1 55
	" 9—2 in.	1 65
	" 11—2½ in.	1 85
	" 14—3 in.	2 20
	" 16—3½ in.	2 75
	" 18—4 in.	3 40
	" 20—4½ in.	4 20

BRISTLE FOLIAGE BRUSHES.

A	Assorted, 1 to 3	\$ 6 00
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MARKING BRUSHES.

ROUND AND FLAT.

A	Assorted 1 to 6	\$ 1 00
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BRISTLE FRESCO BRUSHES.

A	No. 1	\$ 1 40
	" 2	1 55
	" 3	1 90
	" 4	2 25
	" 5	2 60
	" 6	3 00
	Assorted, 1 to 6	2 10

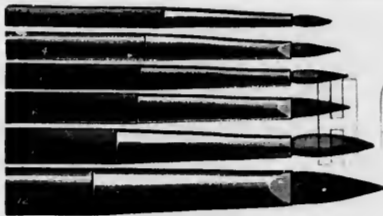
RED SABLE ARTISTS' BRUSHES.

FOR OIL PAINTING. PLATED FERRULES. POLISHED HANDLES.
ROUND OR FLAT.

B	No. 1	\$ 1 60
	" 2	1 75
	" 3	1 95
	" 4	2 20
	" 5	2 70
	" 6	3 15
	" 7	3 65
	" 8	4 20
	" 9	5 15
	" 10	6 40
	" 11	7 45
	" 12	8 55
	Assorted, 1 to 6	2 20
	" 7 to 12	5 90
	" 1 to 12	4 00

BRUSHES

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RUSS SABLE ARTISTS' BRUSHES.

FOR OIL PAINTING, ETC. SUBSTITUTE FOR RED SABLE ROUND OR FLAT.

- B** Assorted, 1 to 12.....\$ 2 00

CAMEL HAIR ARTISTS' BRUSHES.

TIN FERRULES. SHORT HANDLES.

- B** Assorted, 4, 6, 8 and 10.....\$ 1 00

EXTRA CAMEL HAIR ARTISTS' BRUSHES.

PLATED FERRULES. SHORT HANDLES. EXTRA QUALITY.

- B** Assorted, 1 to 6.....1 75

CAMEL HAIR MARKING BRUSHES.

- B** Assorted, 1 to 4.....\$ 1 25

BADGER BLENDERS.



ROUND.

- B** No. 2.....\$ 3 50
 " 4.....5 60
 " 6.....8 40
 " 8.....12 00
 " 10.....16 00

BADGER BLENDERS.



FLAT. SET IN RONE.

- B** Black—2½ in. to 6 in., per in.....\$ 0 35
 Grey—2½ in. to 6 in.; per in.....60

CAMEL HAIR MOPS OR DUSTERS.



- C** No. 2.....\$ 3 40
 " 4.....5 90
 " 6.....7 50
 " 8.....10 50
 " 10.....14 00
 " 12.....17 75
 " 16.....30 00
 " 20.....38 00

GILDERS' TIPS.

ASSORTED.

- C** 2½ in. to 4 in., per doz.....\$ 1 60



CAMEL HAIR WRITERS.

- C** Drug Pencils, assorted, 1 to 8.....\$ 2 50
 " " No. 6.....3 15
 " " No. 8.....3 80
 Ordinary Writers, 1 in., assorted, 1 to 8.....4 50
 Extra Rose Writer-1½ in., assorted, 1 to 8.....5 50
 Superfine Writers, 1¼ in., assorted, 1 to 8.....6 50

CAMEL HAIR STRIPERS.

- C** Ordinary Stripers, 2 in., assorted, 1 to 8.....\$ 5 00
 Extra Rose Stripers, 2½ in., assorted, 1 to 8.....6 00
 Superfine Stripers, 2½ in., assorted, 1 to 8.....7 75
 Extra Rose Fine Liners, 2½ in.....3 75
 Superfine Fine Liners, 2½ in.....5 50
 Crow Quill Fine Liners, 2½ in.....3 00
 Swan Quills, assorted, ½ in. to 2½ in.....18 00

CAMEL HAIR SWORD STRIPERS.

- C** In Tin, assorted, 1 to 4.....Per Doz. \$ 3 50
 In Wood.....5 00

SIBERIAN OX HAIR.

- B** Writers, assorted, 1 to 8.....\$ 1 25
 Stripers, assorted, 1 to 8.....1 60

SIBERIAN OX HAIR SWORD STRIPERS.

- B** In Tin, assorted, 1 to 4.....\$ 3 00

BLACK SABLE WRITERS.



SILVER TIE.

- B** Assorted, 1 to 4.....\$ 1 00
 " 5 to 8.....2 75
 " 1 to 8.....2 00

SUPERFINE—GOLD TIE.

- B** No. 1.....\$ 1 20
 " 2.....1 50
 " 3.....2 25
 " 4.....3 40
 " 5.....4 90
 " 6.....6 35
 " 7.....7 80
 " 8.....9 30
 " 12.....22 20
 Assorted, 1 to 4.....2 10
 " 5 to 8.....7 10
 " 1 to 8.....4 60

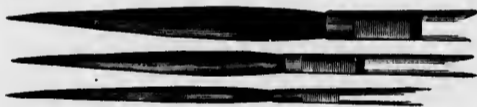
RED SABLE PENCIL OVERGRAINERS.

- B** 1 in. to 3 in., per in.....\$ 1 75

BADGER PENCIL OVERGRAINERS.

- B** 1 in. to 3 in., per in.....\$ 0 65

BRUSHES.



BLACK SABLE STRIPERS.

SILVER TIE.

		Per Doz.
B	Assorted, 1 to 4	\$ 1 15
	" 5 to 8	3 15
	" 1 to 8	2 50

SUPERFINE—GOLD TIE.

	No.		Per Doz.
B	1	.....	\$ 1 50
	2	.....	1 85
	3	.....	2 70
	4	.....	4 25
	5	.....	6 35
	6	.....	7 45
	7	.....	9 10
	8	.....	10 90
	12	.....	24 55
	Assorted, 1 to 4		2 55
	" 5 to 8		8 45
	" 1 to 8		5 50
	Fine Liners		3 40

CAMEL HAIR MOTTLETS.



C			
	1/2 in.	.....	\$ 2 75
	1 in.	.....	4 10
	1 1/2 in.	.....	6 10
	2 in.	.....	8 50
	2 1/2 in.	.....	11 70
	3 in.	.....	16 40

CAMEL HAIR MOTTLETS OR COLOR BRUSHES.

DOUBLE THICK.

C			
	1 in.	.....	\$ 5 60
	1 1/2 in.	.....	8 40
	2 in.	.....	11 80
	2 1/2 in.	.....	14 00

CAMEL HAIR VARNISH BRUSHES.

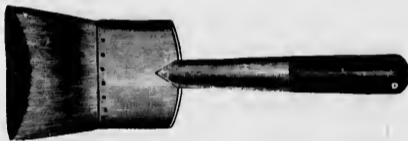
C			
	1 in.	.....	\$ 4 00
	1 1/2 in.	.....	7 60
	2 in.	.....	10 90
	2 1/2 in.	.....	14 50

CAMEL HAIR COPYING BRUSHES.

C			
	1 in.	.....	\$ 4 00
	1 1/2 in.	.....	5 50
	2 in.	.....	6 00
	2 1/2 in.	.....	8 30
	3 in.	.....	10 00
	3 1/2 in.	.....	16 60

BEAR HAIR MOTTLETS.

B			
	1 in.	.....	\$ 2 60
	1 1/2 in.	.....	4 10
	2 in.	.....	5 50
	2 1/2 in.	.....	8 10



FITCH OR BEAR FLOWING VARNISH BRUSHES.

SINGLE THICK. CHISELED.

B			Per Doz.
	1 in.	.....	\$ 4 00
	1 1/2 in.	.....	6 00
	2 in.	.....	8 00
	2 1/2 in.	.....	10 00
	3 in.	.....	12 00

DOUBLE THICK. SQUARE OR CHISELED.

B			Per Doz.
	1 in.	.....	\$ 5 00
	1 1/2 in.	.....	7 50
	2 in.	.....	10 00
	2 1/2 in.	.....	12 50
	3 in.	.....	15 00

BADGER FLOWING VARNISH BRUSHES.



SINGLE THICK. CHISELED.

B			Per Doz.
	1 in.	.....	\$ 6 00
	1 1/2 in.	.....	9 00
	2 in.	.....	12 00
	2 1/2 in.	.....	15 00
	3 in.	.....	18 00

DOUBLE THICK. CHISELED.

B			Per Doz.
	1 in.	.....	\$ 8 00
	1 1/2 in.	.....	12 00
	2 in.	.....	16 00
	2 1/2 in.	.....	20 00
	3 in.	.....	24 00

B EX. FRENCH BADGER, 80 cents per inch.

For Red Sable, Camel Hair, Fitch or Bear Hair and Badger Hair Brushes in our list will be found what is desired.

All Brushes that have wrappers on, should be kept so as much as possible, as the Bristles keep cleaner, and the brush retains its proper shape and is more salable.

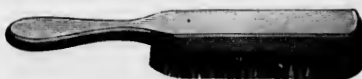
Painters' Brushes should never be kept in a warm, dry place.

Never put a brush in newly slacked lime, it will destroy the bristles.

Paint and Varnish Brushes should never be used as dusters, and it is unnecessary to soak them in water before using.

BRUSHES

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TAILORS' BRUSHES

A	No.	Per Doz.
	No. 0.....	\$13 20
	" 1—Handled.....	24 50
	" 2.....	36 75



PRINTERS' LYE BRUSHES.

A	No.		
	No. 1.....		\$ 9 70
	" 2.....		14 50
	" 4—All Bristles.....		46 00

STEREOTYPERS' BRUSHES.

A	No.	each,	\$
	No. 1.....		7 00
	" 2—4 in. x 8 in.....		11 50



BREWERS' BARREL BRUSHES.

A	No.		\$
	No. 1—Bass.....		5 00
	" 2.....		8 00
	" 3—Whisk.....		9 00
	" 4—Bristle.....		14 00
	" 5 Kittool.....		16 00
	" 6—Bristle.....		18 00



TANNERS' OR CURRIERS' BRUSHES.

A	No.		\$
	No. 1—Scouring.....		12 00
	" 2.....		26 40
	" 3—Round Blacking.....		12 00
	" 4—Paste and Stuffing.....		10 75



STEEL WIRE FOUNDRY BRUSHES.

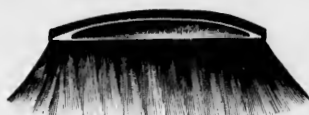
C	No.		\$
	No. 3—4 Rows.....		11 00
	" 4—5.....		12 00

STEEL WIRE BROOMS.

C	No.		\$
	No. 1—12 in.....		21 00
	" 2—14 in.....		24 00
	" 3—12 Extra.....		26 00
	" 4—14 Extra.....		30 00

MOULDERS' BRUSHES—HARD.

A	No.		\$
	No. 1.....		4 40
	" 2.....		5 50



MOULDERS' BRUSHES—SOFT.

A	No.	Per Doz.
	No. 2.....	\$ 5 50
	" 3.....	8 50
	" 4.....	11 00

NICKEL PLATERS' BRUSHES.

A	No.		\$
	No. 1—Grey Fibre.....		2 60
	" 2—Bass.....		2 80
	" 3—White Fibre, Handled.....		3 50



PICKER BRUSHES.

FOR FURNITURE FINISHERS.

A	No.		\$
	No. 1—Bass.....		2 20
	" 2—Bass.....		3 75
	" 3—Kittool.....		3 75



RUBBER MOPS OR SQUEEGEES.

A	18 in.....	\$
	18 in.....	9 50

BASS SWEEPERS OR CHEESE BROOMS.

A	No.		\$
	No. 1.....		4 75
	" 2.....		6 00
	" 3—2 Rows, Drawn.....		8 75
	" 4—3.....		11 50
	" 4—4.....		16 50

CURD SINK BRUSHES.

FOR CHEESE FACTORIES.

A	Kittool.....	\$
	Kittool.....	5 40

FACTORY SCRUB BRUSHES.

FOR CHEESE FACTORIES.

A	Kittool.....	\$
	Kittool.....	6 40

LAUNDRY SCRUB BRUSHES.

A	Bass—3 Row.....	\$
	Bass—3 Row.....	4 00



BILLIARD BRUSHES.

A	No.		\$
	No. 2.....		24 00
	" 3.....		48 00



BOTTLE BRUSHES.

A	Pints and Quarts.....	\$
	Pints and Quarts.....	6 00

CAR WASHERS.

WITH RUBBER HANDS.

A	No.		\$
	No. 1.....		39 00
	" 2—Extra quality.....		54 00

BRUSHES



CORN SCRUB BRUSHES.

		Per Doz.
A	No. 1.....	\$ 1 30
	" 2.....	1 05
	" 3.....	2 00
	" 4.....	2 75

WHISK SCRUB BRUSHES.

FRENCH WHISK OR RICE ROOT.

A	No. 0.....	\$ 2 00
	" 1.....	2 40
	" 2.....	3 00
	" 3.....	3 65
	" 4—Solid Back.....	4 25
	" 5.....	4 95

BASS SCRUB BRUSHES.

A	No. 1—1 Wing.....	\$ 2 40
	" 2—1.....	3 00
	" 3—2.....	3 30
	" 4—2.....	3 65
	" 5—1 Solid Back.....	4 30
	" 6—2.....	4 65
	" 7—2.....	5 75

BLACK KITTOOL SCRUB BRUSHES.

A	No. 1.....	\$ 4 10
	" 2—Solid Back.....	5 50

WHITE FIBRE SCRUB BRUSHES.

A	No. 1—1 Wing.....	\$ 1 70
	" 2—1.....	2 00
	" 3—2.....	2 75
	" 4—1.....	3 10
	" 5—2 Solid Back.....	3 50
	" 6—1.....	3 65
	" 7—1.....	4 40
	" 8—2.....	4 85

GREY FIBRE SCRUB BRUSHES.

A	No. 3.....	\$ 2 85
	" 5.....	3 60
	" 7.....	4 40

UNION SCRUB BRUSHES.

A	No. 30—Solid Back.....	\$ 4 95
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EXTRA BRISTLE SCRUB BRUSHES.

GREY.

A	No. 6.....	\$ 5 70
	" 0.....	6 00
	" 7.....	6 95

WHITE.

A	No. 6.....	\$ 6 50
	" 7.....	7 70



DECK SCRUB BRUSHES.

LONG HANDLES. BASS OR FIBRE.

A	No. 1—One Rubber.....	\$ 7 25
	" 2—Two.....	9 35
	" 3.....	13 20
	" 0.....	3 95
	" 1.....	5 75

TUB SCRUB BRUSHES.

A	No. 1—Whisk.....	\$ 2 40
	" 2—Fibre.....	2 50
	" 3—Bristle.....	4 50

HEATHER POT SCRUBS.

A	Per Doz.....	\$ 1 75
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HANDLED SHOE BRUSHES.



A	No. 2.....	\$ 2 20
	" 3.....	2 65
	" 4.....	3 00
	" 5.....	3 50
	" 6.....	4 30
	" 7.....	5 40
	" 8.....	6 60
	" 9.....	7 70
	" 10.....	9 35

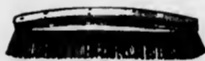


TOP-KNOT SHOE BRUSHES.

A	No. 3.....	\$ 1 75
	" 4.....	2 20
	" 5.....	2 90
	" 6.....	3 65
	" 7.....	4 95
	" 8.....	6 00
	" 9.....	7 25
	Small Portable.....	3 25

BRUSHES

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SHOE POLISHING BRUSHES.

ROACHED BACK.

A	No.	Per Doz.
	2	\$ 4 40
	4	6 00
	5	6 60
	7	13 20

MUD BRUSHES.

A	No.			
	0	Handled		\$ 2 50
	1	Roached Back		3 00
	3	"	"	5 00
	6	"	"	11 00



SHOE DAUBERS.

FOR APPLYING BLACKING.

A	No.		
	1		\$ 1 65
	2		2 20
	3		3 30

SHOE BRUSH SETS.

IN BOXES.

A			
	Pocket Edition	Brush and Blacking	\$ 7 70
	No. 0-3	Brushes and Blacking	9 00
	" 1-3	"	10 00
	" 2-3	"	14 50
	" 3-3	"	28 00

SHOE HORNS.

A	No.		
	25	Button Hook attached	\$ 0 80
	1		2 50

STOVE BRUSHES.



A	No.		
	1	Straight	\$ 1 70
	2	"	2 20
	3	"	2 55
	4	"	2 90
	00	"	4 40
	000	"	5 40
	0-Bent	"	3 00
	5	"	3 65
	20	"	3 85
	4C	"	4 00
	6	"	4 25
	60	"	4 95
	7	"	5 45
	8	"	6 60
	9	"	7 75
	10	"	9 50



ROUND OIL BRUSHES.

A	No.	Per Doz.
	0	\$ 0 90
	1	1 30
	2	1 80

STOVE PIPE VARNISH BRUSHES.

A	No.		
	7		\$ 1 10

STOVE PIPE CLEANERS.

A	Bass.		
			\$ 3 65

CHIMNEY OR FLUE BRUSHES.

Made to order.

CRUMB BRUSHES.



VARNISHED HANDLES.

A	No.		
	1		\$ 5 50
	2		8 50
	3		10 45

CRUMB BRUSHES.

GILT HANDLES.

A	No.		
	1		\$ 6 60
	2		9 35
	3		11 00



PLATE BRUSHES.

	No.	Straight.	Bent.
A	1	\$ 1 20	
	2	2 00	
	3	2 40	\$ 3 65
	4	3 00	4 25
	5	3 65	4 85
	6	4 25	5 20

JEWELLERS' BRUSHES same prices as above.

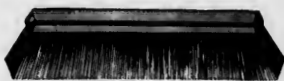
LAMP CHIMNEY CLEANERS.

A	No.		
	4		\$ 3 30

TUMBLER BRUSHES.

A	No.		
	2		\$ 8 25

BRUSHES



CLOTH BRUSHES.

A	No.		Per Doz.
			\$
	1	.....	3 00
	2	.....	4 00
	3	.....	4 50
	4	.....	5 00
	5	.....	5 50
	6	.....	6 00
	8	.....	6 75
	9	.....	7 50
	11	.....	8 50
	12	.....	10 75
	13	.....	13 00



HANDLE CLOTH BRUSHES.

A	No.			
	2	Hair	.....	\$ 9 90
	3	Bristle	.....	11 80
	5	"	.....	16 50
	6	"	.....	22 00



HAT BRUSHES.

A	No.			
	1	.....	\$	2 75
	2	.....	4	95
	3	.....	6	60
	4	.....	9	90

HAT BRUSHES.

PLUSH BACK.

A	No.			
	1	.....	\$	8 80
	2	.....	12	10
	3	.....	14	25

BATH BRUSHES.



A	No.			
	3	Web Handles	.....	\$ 9 60
	4	Straight Handles	.....	11 00
	5	Bent Handles	.....	14 30
	6	3 Rows, Detachable, Patent	.....	13 20
	7	2 " Curved, "	.....	16 50
	8	3 " " "	.....	23 10
	9	6 " Detachable, "	.....	25 30



NAIL BRUSHES.

WOOD BACK.

A	No.			
	1	Fibre	.....	\$ 0 95
	2	"	.....	1 20
	3	"	.....	1 80
	4	"	.....	2 65
	5	Grey Bristles	.....	3 75

NAIL BRUSHES.

BONE HANDLES

A	No.			
	4	White Bristles	.....	\$ 5 10
	5	"	.....	6 00
	6	"	.....	7 90
	8	"	.....	10 00

HAIR BRUSHES.



A	No.			
	4	.....	\$	4 50
	6	.....	6	00
	8	.....	9	00
	10	.....	12	50
	12	.....	15	50
	14	.....	18	50
	16	.....	25	00
	18	.....	31	50
	20	.....	38	00
	Infant's	.....	8	00

METALIC OR WIRE HAIR BRUSHES.

A	No.			
	54	Decorated	.....	\$ 7 25
	247	Plain	.....	7 35
	454	Decorated	.....	12 00
	549	Pearl Inlaid	.....	14 75

TOOTH BRUSHES.

A	No.			
	61	.....	\$	2 50
	62	.....	3	00
	63	.....	4	00

BRUSHES



SHAVING BRUSHES.

BLACK ENAMELLED HANDLES.

A	No.	Per Doz.
	No. 125.....	\$ 75
	" 19.....	1 50
	" 900.....	2 50
	" 493.....	3 00



TWINE BOUND.

A	No.	Per Doz.
	No. 4.....	\$2 00
	" 6.....	2 55
	" 8.....	4 10
	" 434.....	2 75
	" 107.....	4 25
	" 21.....	2 00

BONE HANDLES.

A	No.	Per Doz.
	No. 170.....	\$3 60
	" 10.....	4 50
	" 20.....	5 50
	" 95.....	6 00
	" 81—Mahogany Handles.....	2 00



BADGER SHAVING BRUSHES.

A	No.	Per Doz.
	No. 17.....	\$ 4 00
	" 20.....	80 50
	" 25.....	15 00



CORN WHISKS

D	No.	Per Doz.
	No. 3—Plain.....	\$1 35
	" 2.....	1 75
	" 1.....	2 20
	" 2—Fancy.....	2 50
	" 1.....	3 00
	" 2—Japanned.....	2 15
	" 1.....	2 50
	" 2—Pocket, Japanned.....	2 70
	" 1.....	2 35
	" 1—Barbers'.....	3 00

EXTRA CORN WHISKS.

D	No.	Per Doz.
	No. 20—Enamelled Handled.....	\$4 00
	" 50—Bone.....	6 00
	" 70—Enamelled " Plush Cover.....	6 00
	" 80—Bone " " ".....	8 00
	" 200—Plated " " ".....	9 00

CORN BROOMS.

D	No.	Per Doz.
	No. 2.....	\$ 2 00
	" XX.....	2 65
	" XXX.....	3 00
	" Carpet.....	3 40
	" Clinax.....	3 70
	" Parlor.....	4 00
	No. 2—Hearth.....	4 00
	" 1.....	2 50

DUSTERS



FEATHER DUSTERS.

OSTRICH. FULL CENTRE. SOFT GREY FEATHERS.

A	No.	Per Doz.
	No. 5.....	\$ 3 80
	" 6.....	5 60
	" 7.....	7 75
	" 8.....	10 00
	" 9.....	13 30
	" 12.....	27 50
	" 18.....	45 00
	" 24.....	52 00

TURKEY FEATHERS.

A	No.	Per Doz.
	No. 6.....	\$ 4 80
	" 7.....	6 00
	" 10.....	7 60
	" 11.....	9 00
	" 12.....	10 50

HEMP DUSTERS.

A	No.	Per Doz.
	No. 6—Plain.....	\$ 5 60
	" 12.....	7 30
	" 6—Silk.....	9 50
	" 12.....	10 50

WOOL DUSTERS.

A	No.	Per Doz.
	No. 1.....	\$ 6 00
	" 2.....	7 70
	" 3.....	14 00

BRUSHES



DUSTING BRUSHES OR BANNISTERS.

PLAIN VARNISHED HANDLES.

		Per Doz.
A	No. 1	\$ 3 40
	" 2	4 30
	" 3	5 20
	" 4	7 25
	" 5	8 50
	" 6	9 75
	" 7	13 20
	" 8	18 00
	Stiff Carpet Bannisters.....	10 50

DUSTING BRUSHES OR BANNISTERS.

GILT HANDLES.

A	No. 2	\$ 4 60
	" 3	6 25
	" 4	8 25
	" 5	9 60
	" 6	10 75



DOUBLE DUSTERS OR BANNISTERS.

A	No. 3	\$ 8 80
	" 4	11 00
	" 5	13 20
	" 6	14 50



CEILING BROOMS.

WITH 10 FT. HANDLES.

A	No. 1	\$14 80
	" 2	18 00

TURKS' HEADS.

A	10 in.....	\$12 00
	12 in.....	18 00



BARBERS' DUSTERS.

A	No. 1	\$ 6 00
	" 2	9 00

PICTURE DUSTERS.

A	Japaned and Gilt Handles.....	\$ 6 60
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HAIR BROOMS.

		Per Doz.
A	No. 3	\$ 7 70
	" 4	12 00
	" 5	14 25
	" 6	17 60
	" 7	20 30
	" 8	29 00
	" 8 X.....	39 60
	" 10.....	63 00



WINDOW BRUSHES.

A	No. 2	\$ 3 95
	" 3	5 50
	" 4	7 15
	" 5	10 45
	" 6	4 00



RUBBER WINDOW CLEANERS.

A	No. 7	\$ 4 95
	" 10	7 30
	" 12	8 65
	" 90	9 90
	" 18	12 00



FANCY HEARTH BROOMS.

A	No. 3	\$ 6 30
	" 4—All White Bristles.....	10 50
	" 5 " " "	13 65
	" 6 " " "	16 80

In case the hair of Brooms or Brushes should be crushed in packing, they should be dipped in hot water and allowed to dry with the hair downwards; they will then return to their original set.

BRUSHES

949



BASS BROOMS.

WITH HANDLES, FOR STABLES, YARDS, ETC.

		Per Doz.
A	No. 2.....	\$ 5 50
	" 3.....	7 25
	" 4.....	9 35
	" 5.....	11 50
	" 6.....	14 50
	" 8.....	22 50

EXTRA BASS BROOMS

DRAWN WITH WIRE.

A	No. 4-4 Rows.....	\$16 50
	" 5-5 ".....	18 75
	" 6-5 ".....	21 00



WHISK DANDY BRUSHES.

A	No. 1-Whisk.....	\$ 3 00
	" 2.....	4 00
	" 2 X.....	4 70
	" 3.....	5 75
	" 4-Kittool Edge.....	6 80
	" 20.....	7 00
	" 5.....	7 75
	" 6.....	9 40
	" 00-Handled, Square.....	4 00
	" 0.....	5 00

KITTOOL DANDY BRUSHES.

ALL BLACK.

A	No. 4.....	\$ 4 50
	" 5.....	6 00
	" 6.....	7 75
	" 7.....	9 65
	" 8.....	11 15

BONE DANDY BRUSHES.

A	No. 9-Handled.....	\$12 00
	" 10.....	18 00

BASS DANDY BRUSHES.

A	No. 1.....	\$ 3 50
	" 2.....	5 25



WATER BRUSHES.

A	No. 1.....	\$ 6 60
	" 2.....	10 70
	" 60.....	26 40



COMPO. OR HARNESS BRUSHES.

		Per Doz.
A	No. 1.....	\$ 7 25
	" 2.....	10 60



SPOKE BRUSHES.

A	No. 2-Handled, Filre.....	\$ 5 10
	" 3..... Bristles.....	7 50
	" 4-Extra Bristles.....	12 00

WOOL OR CARRIAGE MOPS.

A	12 oz.....	\$12 00
	16 oz.....	15 00



HORSE BRUSHES.

A	No. 1.....	\$ 3 00
	" 2.....	3 65
	" 3.....	4 25
	" 4.....	4 85
	" 5.....	5 75
	" 6.....	7 00
	" 7.....	8 15
	" 8.....	9 90
	" 9.....	11 80
	" 10.....	13 60
	" 11.....	17 00
	" 12.....	20 35
	" 13.....	24 00
	" 14.....	29 00
	" 0.....	11 25
	" 00.....	30 00
	" 8 Boeckh's.....	9 25



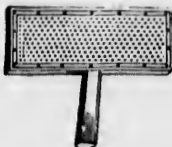
LEATHER BACK HORSE BRUSHES.

A	No. 5.....	\$ 5 50
	" 6.....	7 50
	" 9.....	9 40
	" 10.....	11 50
	" 11.....	17 00
	" 12.....	18 75
	" 13.....	23 00
	" 14.....	30 00
	" 15.....	34 00
	" 16.....	45 00
	" 10 Boeckh's.....	7 00
	" 12.....	7 75
	" 16.....	9 60
	" 18.....	11 00
	" 24.....	24 00

WHISK HORSE BRUSHES.

A	No. 2.....	\$ 5 50
	" 3.....	7 00

HORSE OR CURRY CARDS



SIZE $5\frac{3}{4}$ x $3\frac{1}{4}$ INCHES.

No. 1 Bound, size $5\frac{3}{4}$ x $3\frac{1}{4}$

per single dozen, \$

12 dozen in a case

WOOL CARDS



SIZE $9\frac{1}{4}$ x $4\frac{1}{4}$ INCHES.

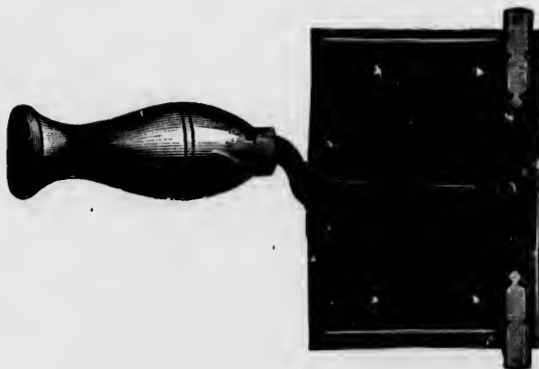
No. 2 Wool Cards

per dozen pairs, \$

1 dozen pairs in case.

CURRY COMBS

CLOSE BACK, TROWEL SHANK, OVAL FACE, CARMINE HANDLES.



Cut one-half Size.

No. 177 Six Bar, Iron, Japanned

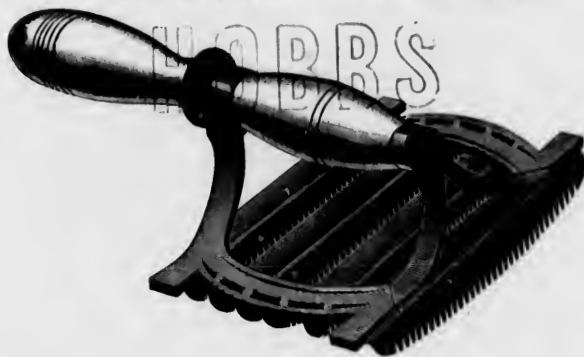
per dozen, \$

1 dozen in a box.

CURRY COMBS

BACK GRASP, HORSE SHOE PATTERN, OPEN BACK, OVAL FACE.

Handsomely Finished Mahogany Colored Handles, Brass Ferrules.



Cut half Size.

No. 80	Six Bar, Iron, Japanned	per dozen, \$
		1 dozen in a box.

BACK GRASP, HORSE SHOE PATTERN, CLOSE BACK, OVAL FACE.

Handsomely Finished, Mahogany Colored Handles, Brass Ferrules.



Cut half Size.

No. 90	Six Bar, Iron, Japanned	per dozen, \$
No. 91	Six Bar, Iron, Tinned	per dozen,
No. 93	Six Bar Brass, Tinned Frame and Back	per dozen,
No. 96	Eight Bar, Iron, Japanned Bars, Tinned Frame and Back	per dozen,
No. 97	Eight Bar, Brass, Tinned Frame and Back	per dozen,

1 dozen in a box.

BACK GRASP CURRY COMBS

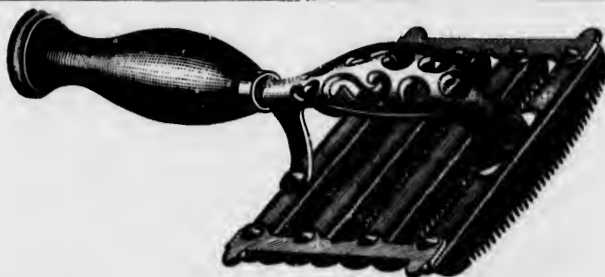
OPEN BACK, CARMINE HANDLES. CUTS ARE ALL HALF SIZE.



- No. 33 Six Bar, Iron, Japanned
 No. 33½ Six Bar, Iron, Tinned
 No. 34 Six Bar, Brass, Tinned Ends and Shank

One dozen in a box.

per dozen, \$
 per dozen,
 per dozen,

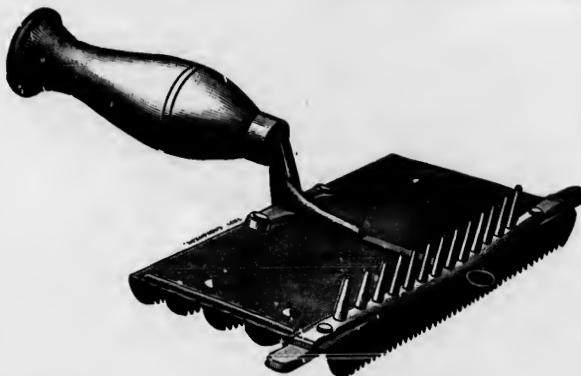


- No. 35 Eight Bar, Iron, Japanned
 No. 35½ Eight Bar, Iron, Tinned
 No. 36 Eight Bar, Brass, Tinned Ends and Shank

One dozen in a box.

per dozen, \$
 per dozen,
 per dozen,

CLOSE BACK, TROWEL SHANK, OVAL FACE, CARMINE HANDLES.



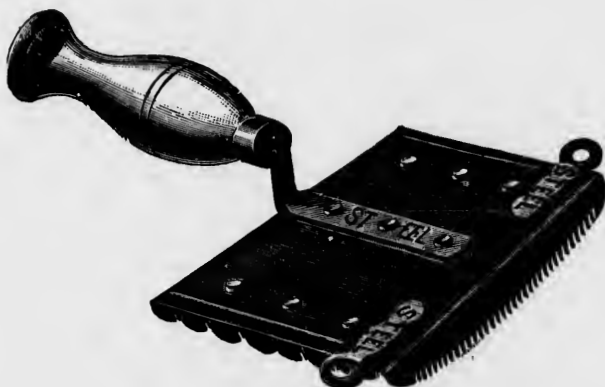
- No. 324 Six Bar, Iron, Tinned

One dozen in a box.

per dozen, \$

CURRY COMBS

EXTRA HEAVY, ALL STEEL, CLOSE BACK, DEEP BARS, THREE RIVETS IN SHANK, EXTRA HEAVY BLACK ENAMELED HANDLES, RIVETED AT END, BRASS FERRULES.



Cut half Size.

No. 1385 Improved Eight Bar, Steel, Blued - - - - - per dozen, \$

In boxes of one dozen.

SELF-CLEANING CURRY COMBS.

JAPPANED.



VIEW OF COMB OPEN.

No. 10 Six Bar, Jappaned, Self-Cleaning Curry Comb - - - - - per dozen, \$

In boxes of one dozen.

CURRY COMBS

FINGER REST, EXTRA HEAVY, OVAL FACE, TROWEL SHANK, POLISHED HARDWOOD
HANDLES, BRASS FERRULES.



Half size Cut of Eight Bar.

No. 849 Eight Bar, Iron, Japanned

per dozen, \$

In boxes of one dozen.

ENGLISH CATTLE COMBS

WROUGHT, JAPANNED.



Cut half Size.

No. 036 English Three Bar Cattle Combs, Japanned

per dozen, \$

WHIP SOCKETS



No. 1, SKELTON.



No. 02, PATENT.

- [illegible]

WHIP LASHES

YELLOW BUCK WHIP LASHES—4 PLAT.

Length, feet,	3	3½	4	4½	5	5½	6
Per dozen, \$							

HORSE HIDE—4 PLAT.

Length, feet,	3	3½	4	4½	5	5½	6
Per dozen, \$							

WHIP STOCKS

White Hickory Whip Stocks, self tipped	per dozen, \$
Red Hickory Whip Stocks, leather tipped	per dozen,
Live Oak Whip Stocks	per dozen,
Leather Covered Whip Stocks, black or russet	per dozen,

WHIPS

We illustrate on pages 958½, 958¾ and 959 a few of our leading styles of Whips, description of which is given herewith. It is impossible to illustrate our full line of goods in this line, but the styles given are first-class leaders. This is entirely a new departure, and we trust will be appreciated by the trade.

DROP TOP WHIPS

No. 0—3 ft. (Full length, 4½ ft.)	Fancy Colors, Platted through, Black Head	per dozen, \$
No. 2—3½ ft. (Full length, 5 ft.)	Black, Platted through, Fancy Mount, Painted Head Button, Loop Snap, 15 inch Drop	per dozen,
No. 12—4 ft. (Full length, 6 ft.)	Scarlet, Platted through, Black Painted Head Button, Nail Cap, 24 inch drop,	per dozen,

STRAIGHT RATAN WHIPS.

No. 20—5½ ft.	Black, Platted through, Nail Cap, Loop Snap	per dozen, \$
No. 012—6 ft.	Black, Platted through, Nickel Plated Head and Ferrules, Loop Snaps	per dozen,
No. 43—6 ft.	Imitation of Gut, Waterproof Filled, Hand Worked Thread Buttons, Japanned Cap, Loop Snap	per dozen,
No. 55—6 ft.	Black, Fancy Centre, Nickel Plated Head, Two Metallic Ferrules, with Wound Centre, Waterproof Finish, Loop Snap	per dozen,
No. 47—6 ft.	Black and Tuscan Red assorted, Two Fancy Colored Buttons, Japanned Cap, Loop Snap	per dozen,

Best value offered for the price.

No. 52—6 ft.	Black and Tuscan Red, Assorted, Platted through, 10 Ring Lead Button and Cap, Oreide and Nickel Plated, Mount English Beaded, English Snap, Waterproof Finish,	per dozen
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EXTRA JAVA, SATIN AND RUBBER FINISH

- No. 1057—6 ft. Black, Wine and Terra Cotta assorted : Osden's Genuine Patent Compressed Buttons, Japanned Cap, English Snap per dozen, \$
- No. 58 6 ft. Black, Nickel Plated Head and Mount, with Silk Triple Tassels wound on, English Snap per dozen,
- No. 73—6 ft. Wine, Platted through ; one long Beaded and Octagon Ferrule, and two short Oreide Mounts ; Thread Button and Cap ; English Snap per dozen,
- No. 76—6½ ft. Wine, Chased Nickle Head ; two Chased Mounts and Nickel Wound Centre ; English Snap per dozen,
- No. 78—6½ ft. Black, Platted through ; three long and two short Beaded and Chased Oreide Mounts ; English Snap per dozen,

OLD-FASHIONED, HAND-MADE STOCKED JAVA WHIPS

- No. 108—6 ft. Black, Satin Finish, Buckskin Lined, and Metallic Waterproof under cover, Nickel Plated and Beaded Head, six short Mounts (in pairs), English Snap per dozen, \$
"Equal to Whalebone for wear."
- No. 110—6 ft. Oiled, English Linen Finish, Genuine Calfskin Handle, English Style, Short Head and Ferrule, English Snap, Buckskin Lined, and Metallic Waterproof under Cover per dozen,
- "Parole" Black or Imitation of Gut, Satin Finish, FULL BUCK LINED TOP, English Snap per dozen,
*"This celebrated Whip has earned for itself a place at the head of the procession
Quality will at all times be maintained."*

RAWHIDE CENTRE

IN PLACE OF WHALEBONE.

- No. 851—6 ft. Black or Wine, Satin Finish, Osden's Patent Buttons, Rubber Cap, English Snap, best wearing Whip for a cold climate per dozen, \$
- The above is recommended by us when a good Whip is wanted Cheaper grades of Rawhide Whips will be furnished upon application.*

WHALEBONE

- No. 162—6 ft. Black, Satin Finish, Linen Lined Top, Handworked Thread Buttons, Japanned Cap per dozen, \$
"Good value for the price."
- No. 217—6 ft. Black, one-third Whalebone, Satin Finish, Oreide Head, Osden's Fine Buttons, two Chased Mounts, English Snap per dozen,
"Neat and Stylish."
- No. 274—6 ft. Black, one-half Whalebone, Satin Finish, English Textile Head and Button, English Snap per dozen,
- No. 323—6 ft. Black Body, Tan Platted Handle and Centre, Rubber Cap, Handworked Thread Buttons, Buckskin Lined Top, Diamond Finish, English Snap per dozen,
- "Our Special" ¾ BONE. Black, Diamond Finish, Zigzag Handle, Fine English Buttons, English Snap, per dozen,
"For many years the standard two-third Bone Whip of Canada. Made only for ourselves."

WHIPS



No. 12 x 4 ft.
(Full length 6 ft.)

No. 29 x 5½ ft.

No. 012 x 6 ft.

No. 43 x 6 ft.

No. 55 x 6 ft.

No. 47 x 6 ft.

No. 52 x 6 ft.

WHIPS



No. 1057 x 6 ft.



No. 58 x 6 ft.



No. 73 x 6 ft.

No. 76 x 6 $\frac{1}{2}$ ft.No. 78 x 6 $\frac{1}{2}$ ft.

No. 108 x 6 ft.



No. 110 x 6 ft.

WHIPS

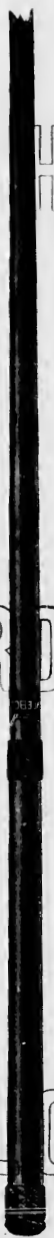
959



"PAROLE"



NO. 851 X 8.



No 162-6F1



No 217-6FT



No 274 6FT



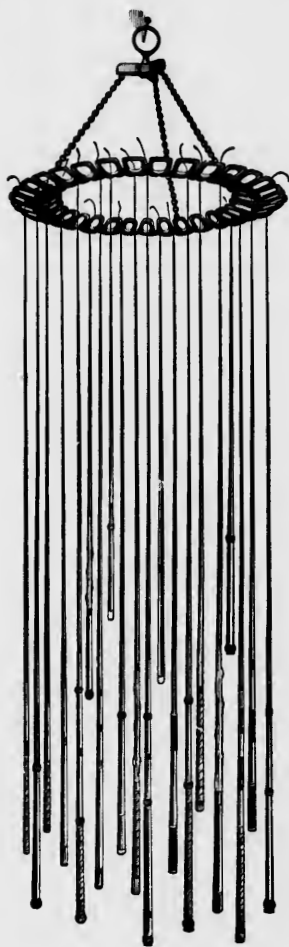
No 323-6FT



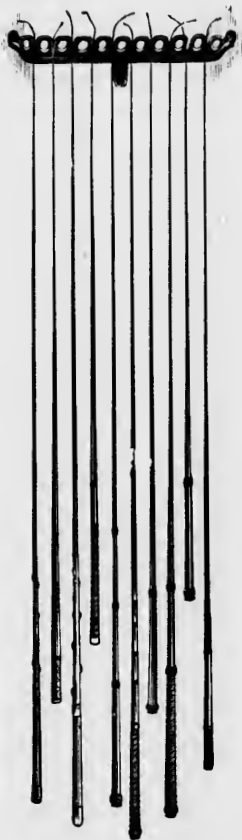
"OUR SPECIAL,"
3/4 Bone.

COOLEY'S PATENT

MALLEABLE IRON WHIP RACKS



No. 1, CIRCULAR.



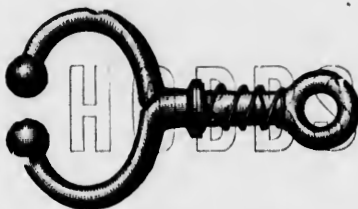
No. 3, STRAIGHT.



No. 5, STAR.

No. 1	Circular, 18 inches diameter, holding 200 Whips, Japanned	-	-	-	per dozen, \$
No. 3	Straight, 9½ inches long, holding 10 Whips, Japanned	-	-	-	per dozen,
No. 5	Star, holding 8 Whips, Japanned	-	-	-	per dozen,

CATTLE LEADERS



One-half Size Cut of No. 32.

BRASS WIRE SPRING, MALLEABLE.

No. 31 2 inches, Malleable
 No. 32 3 inches, Malleable

per dozen, \$
 per dozen,

In paper boxes of two dozen each.

BULL RINGS.



POLISHED STEEL.

No. 0 2 inches, with Screw Drivers
 No. 1 2½ inches, with Screw Drivers
 No. 2 3 inches, with Screw Drivers

per dozen, \$
 per dozen,
 per dozen,

POLISHED COPPER.

No. 20 2 inches, with Screw Drivers
 No. 21 2½ inches, with Screw Drivers
 No. 22 3 inches, with Screw Drivers

per dozen, \$
 per dozen,
 per dozen,

In paper boxes of one dozen each.

Full Size Cut of 2½ inch.

CAST BRASS OX BALLS

OCTAGON.



No. 11.



No. 13.

No. 11 Cast Brass Ox Balls
 No. 13 Cast Brass Ox Balls

per gross, \$
 per gross,

HOG RINGS



STEEL WIRE HOG RINGS.

No. 1	Pig	per 1,000, \$
No. 2	Shoat	per 1,000,
No. 3	Hog	per 1,000,

Packed 100 in a box.

HOG RINGERS



No. 1	Adjustable Hog Ringer, Japanned	per dozen, \$
No. 2	Hog Tongs, for holding hogs while ringing	per dozen,

In boxes of one dozen each.

HITCHING RINGS



JAPANNED.

No. 1	2½ inch, Japanned	per dozen, \$
-------	-------------------	---------------

In boxes of one dozen each.

MALLEABLE HARNESS RINGS

963



JAPANNED.

Inch,	1	1 1/8	1 1/4, Heavy.
Per gross,	\$1 06	1 16	1 48

MALLEABLE BREECHING RINGS



JAPANNED.

Nos.	8	2	2	1
Inch,	1 1/2	2	2 1/2	3
Per gross,	\$1 80	2 90	3 60	5 10
Pounds per gross,	10	17	21	29

GERMAN SNAPS



BRONZE.

Inch,	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per gross,	\$1 80	2 20	2 40	2 40	2 40	4 20	5 50	7 00	8 00

One-half gross in box.

GERMAN ROPE SNAPS



BRONZE.

Inch,	1/2	5/8	3/4
Per gross,	\$2 40	3 20	4 00

One-half gross in box.

MALLEABLE RING BITS



JOINTED OR STIFF MOUTH.

JAPANNED OR XC PLATE.

No. 1008 2 inch Ring, 3¼ lbs.
 No. 1001 2¼ inch Ring, 5 lbs.

per dozen, \$
 per dozen,

Wrought Iron Forged Ring Bits.



JOINTED MOUTH.

JAPANNED OR XC PLATE.

No. 47 2¾ inch Ring, 7 lbs.

per dozen, \$



STIFF MOUTH.

JAPANNED OR XC PLATE.

No. 47 2¾ inch Ring, 7 lbs.

per dozen, \$

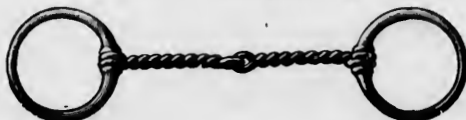
Rubber Mouth Bits.



No. 831 XC Plate, 2½ inch Ring

per dozen, \$

Wire Ring Bits.



No. 846 XC Plate, 2¼ inch Ring

per dozen, \$



No. 855 XC Plate, 2½ inch Ring

per dozen, \$

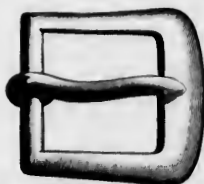
BARREL ROLLER HARNESS BUCKLES

965



Inch,									
Japanned, per gross,	\$	½	¾	¾	1	1½	1¾	1½	2
XC Plate, per gross,									

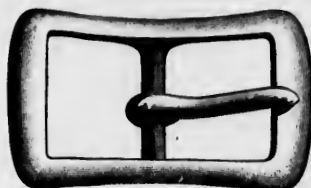
Plain Sensible Harness Buckles



JAPANNED AND XC PLATE.

Inch,									
Per gross,	\$	½	¾	¾	¾	1	1¼	1½	

Sensible Bar Rein Buckles



Inch,									
Japanned, per gross,	\$	½	¾	¾	¾	1	1½	1¾	1½
XC Plate, per gross,									

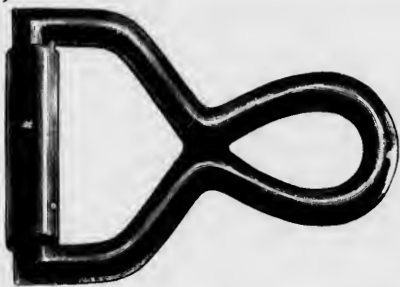


Breast Strap Slides

JAPANNED.

Inch,									
Per dozen,	\$	1½				1¾			2

PUT UP ONE DOZEN IN A BOX.



MALLEABLE COCKEYES

TRIANGULAR, WITH ROLLER.

JAPANNED.

$1\frac{1}{4}$ inch
 $1\frac{1}{2}$ inch

per dozen \$
per dozen,

In packages of two dozen each.

ANTI-RATTLERS

RUBBER.

Size, inches,
Per gross,

Pairs, \$ $\frac{7}{8}$

1

$1\frac{1}{8}$

One dozen pairs in a box

WAGON SPRINGS OR BUMPERS

RUBBER.

No. 1 Rubber Bumpers, 4 inches high, 2 inches thick
No. 3 Rubber Bumpers, $3\frac{1}{2}$ inches high, $1\frac{1}{2}$ inches thick

per lb., \$
per lb.,

LACE CUTTERS



Will cut to a uniform width any leather up to $\frac{1}{8}$ inch in thickness and from $\frac{3}{16}$ to $\frac{3}{4}$ wide.

Lace Cutter

per dozen, \$

One in a box, one dozen in a package.



PATENT WASHER CUTTER

ONE DOZEN IN A BOX.

Price

per dozen, \$

HALTERS

AMERICAN WEB.

Clamp Fastened, all Web					per dozen, \$
No. 00	Style as per Cut				per dozen,
No. 0 x 13	Thread, as per Cut				per dozen,
No. 1 x 13	Thread, better quality than No. 0				per dozen,

SISAL ROPE HALTERS.

Small, with Snaps and Rings					per gross, \$
Medium, with Snaps and Rings					per gross,
Large, with Snaps and Rings					per gross,

JUTE ROPE HALTERS.

Small, with Snaps and Rings					per gross, \$
Medium, with Snaps and Rings					per gross,
Large, with Snaps and Rings					per gross,

Style of No. 0 x 13.

SLEIGH BELLS

HARDWARE CO.



No. 12, Pear Shape.

PEAR SHAPE.

Nos.	10		12	14	16
Per dozen,	\$				

COMMON SHAPE.

Nos.	10	12	14
Per dozen,	\$		

We stock a full line of Neck, Back and Body Sleigh Bells on strap, also a full assortment of Gongs and Chimes. We do not illustrate our full line, as the goods are continually changing in design. We therefore think it advisable for our agents to carry a full line of samples in season as heretofore.

CALL BELLS



Style of No. 52.



Style of No. 71.



Style of No. 81.

- | | | |
|--------|---|---------------|
| No. 52 | Call Bell, 3 inches, Silver White Finish | per dozen, \$ |
| No. 71 | Call Bell, 3 inch Base, Silver White Bell, Black Base | per dozen, |
| No. 81 | Call Bell, 3½ inch Base, Silver White Bell, Black and Gold Base | per dozen, |



Style of No. 95.



Two-thirds Size Cut of No. 3268.

- | | | |
|----------|--|---------------|
| No. 95 | Call Bell, Silver Plated Bell and Base | per dozen, \$ |
| No. 3268 | Call Bell, Silver Plated Bell, Bronze Base | per dozen, |

Half Size Cut of No. 1008.
Style of No. 629.Half Size Cut of No. 779.
Style of No. 1006.

- | | | |
|----------|--|---------------|
| No. 1008 | Call Bell, 3 inch Silver Plated Gong, 5 inch Brass Base | per dozen, \$ |
| No. 1608 | Electric Call Bell, 3 inch Silver Plated Gong, 5 inch Brass Base | per dozen, |
| No. 629 | Call Bell, 3 inch Silver Plated Gong, 4½ inch Brass Base | per dozen, |
| No. 779 | Call Bell, 3 inch Fancy Colored Gong, Brass Base | per dozen, |
| No. 1006 | Call Bell, 2½ inch Fancy Colored Gong, Brass Base | per dozen, |

CALL BELLS



Half Size Cut of No. 786.

HOBBS



Half Size Cut of No. 784 and 781.

No. 786	Call Bell, Electro Plated through	per dozen, \$
No. 786	Call Bell, Electro Plated Bell, Bronzed Base	per dozen,
No. 784	Call Bell, Electro Plated	per dozen,
No. 784	Call Bell, Bronzed	per dozen,
No. 781	Electric Call Bell, Electro Plated	per dozen,
No. 781	Electric Call Bell, Bronzed	per dozen,

HARDWARE CO.

Half Size Cut of No. 496 x 3/4 inch.
Style of No. 632.Half Size Cut of No. 334.
Style of No. 569.

LONDON

No. 496	Call Bell, 3 1/4 inch Silver Plated Gong, Brass Base	per dozen, \$
No. 496	Call Bell, 3 1/2 inch Silver Plated Gong, Brass Base	per dozen,
No. 632	Call Bell, 3 inch Silver Plated Gong, Brass Base	per dozen,
No. 334	Call Bell, 3 1/2 inch Silver Plated Gong, Brass Base	per dozen,
No. 569	Call Bell, 3 inch Silver Plated Gong, Brass Base	per dozen,

TEA BELLS



Style of No. 132 and 182.



Style of No. 2.

No. 132	Concave Tea Bell, Nickel Silver Finish, Metal Handles	per dozen, \$
No. 182	Concave Tea Bell, Nickel Silver Finish, Cocobola Handles	per dozen,
No. 2	Tea Bell, Black Enameled Handles	per dozen,

One dozen in a box.

SWISS HAND BELLS



Half Size Cut of No. 6 and 106

PURE BELL METAL.

MAHOGANY HANDLES, FINE POLISH AND FULL SIZE.

Nos.	2	4	6	8	10	12
Per dozen,	\$3 50	6 50	11 25	17 00	30 00	36 00
NICKEL PLATED.						
Nos.	102	104	106	108	110	112
Per dozen,	\$3 50	6 50	11 25	17 00	30 00	36 00

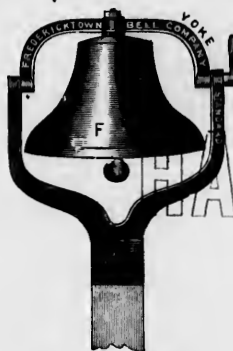


COW BELLS

HOBBS

KENTUCKY.

Nos.	1	2	3	4	5	6	7
Height without Loop,	6½	5¼	4½	4	3½	2½	2¼ inch
Per dozen,	\$11 00	8 00	6 00	5 00	3 50	2 50	2 25



FARM BELLS

BRONZED

NO.	DIAMETER.	WEIGHT.	PRICE EACH.
A	16¼ inches	50 lbs.	\$ 5 00
B	16¾ inches	56 lbs.	5 60
C	18¾ inches	65 lbs.	6 50
D	19½ inches	75 lbs.	7 50
E	19¾ inches	90 lbs.	9 00
F	21½ inches	100 lbs.	10 00

SCHOOL AND CHURCH BELLS



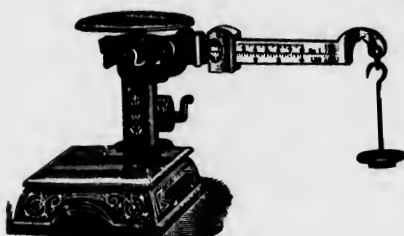
NO.	DIAMETER.	WEIGHT.	PRICE BRONZED.
H	23¾ inches	175 lbs.	\$17 00
Add \$1.00 net for Frame and Bolts.			

NO.	DIAMETER.	WEIGHT.	PRICE BRONZED.
9	28 inches	350 lbs.	\$ 55 00
10	31 inches	500 lbs.	110 00

COUNTER AND PLATFORM STANDARD SCALES

MANUFACTURED FOR US BY

OSBORNE & CO.



UNION POSTAL SCALE.

Specially Designed

THE ACME OF PERFECTION.

BEAUTIFULLY FINISHED.

STRONG AND DURABLE.

NICKEL-PLATED BEAM, PLATFORM AND PLATE.

Capacity..... $\frac{1}{4}$ oz. to 10 lbs. \$8 00
Price.....

The most convenient Scale ever made for Banks, Mercantile and Professional Offices, and Private Houses. A beautiful and useful ornament.

Postal Scales are not Required to be Stamped.

IMPROVED POSTAL SCALE.



May be used for general weighing of small article.

CAPACITY.

No. 2	$\frac{1}{4}$ oz. to 8 ozs.	\$2 50
No. 1	$\frac{1}{4}$ oz. to 34 ozs.	4 55

IMPROVED BUTTER SCALE.



WITH PORCELAIN PLATE.

No. 3	With weights..... $\frac{1}{4}$ oz. to 6 lbs.	\$4 30
No. 2	With weights..... $\frac{1}{4}$ oz. to 10 lbs.	5 45
No. 1	With weights..... $\frac{1}{4}$ oz. to 17 lbs.	7 10
No. 3	With weights and side beam..... $\frac{1}{4}$ oz. to 6 lbs.	5 20
No. 2	With weights and side beam..... $\frac{1}{4}$ oz. to 10 lbs.	6 54
No. 1	With weights and side beam..... $\frac{1}{4}$ oz. to 17 lbs.	8 50

IMPROVED EVEN BALANCES.



Without Weights.	Capacity.	With Tin Scoop.	With Brass Scoop.
No. 3	$\frac{1}{4}$ oz. to 4 lbs.	\$2 80	\$3 55
No. 2	$\frac{1}{4}$ oz. to 6 lbs.	3 25	4 60
No. 1	$\frac{1}{4}$ oz. to 10 lbs.	4 10	5 10
With Weights Complete.			
No. 3	$\frac{1}{4}$ oz. to 4 lbs.	3 50	4 25
No. 2	$\frac{1}{4}$ oz. to 6 lbs.	4 25	5 50
No. 1	$\frac{1}{4}$ oz. to 10 lbs.	5 50	6 50

STAMPING EXTRA.

IMPROVED EVEN BALANCES.



WITH SIDE BEAM.

Without Weights.	Capacity.	With Tin Scoop.	With Brass Scoop.
No. 3	$\frac{1}{4}$ oz. to 4 lbs.	\$3 40	\$4 15
No. 2	$\frac{1}{4}$ oz. to 6 lbs.	4 00	4 75
No. 1	$\frac{1}{4}$ oz. to 10 lbs.	5 00	6 00
With Weights Complete.			
No. 3	$\frac{1}{4}$ oz. to 4 lbs.	4 10	4 85
No. 2	$\frac{1}{4}$ oz. to 6 lbs.	5 40	6 15
No. 1	$\frac{1}{4}$ oz. to 10 lbs.	6 50	7 50

"TRADE" EVEN BALANCES.

WITH SIDE BEAM AND WEIGHTS COMPLETE.

$\frac{1}{4}$ oz. to 5 lbs., with Tin Scoop.....	\$4 00
Boxed three in a box.	
$\frac{1}{4}$ oz. to 8 lbs., with Tin Scoop.....	5 00
Boxed two in a box.	

GROCERS' IMPROVED TRIP SCALE.



Without Weights.	Capacity.	With Tin Scoop.	With Brass Scoop.
No. 3	$\frac{1}{4}$ oz. to 6 lbs.	\$3 40	\$4 15
No. 2	$\frac{1}{4}$ oz. to 10 lbs.	4 25	5 25
No. 1	$\frac{1}{4}$ oz. to 17 lbs.	5 35	6 60
With Weights Complete.			
No. 3	$\frac{1}{4}$ oz. to 6 lbs.	4 30	5 05
No. 2	$\frac{1}{4}$ oz. to 10 lbs.	5 45	6 45
No. 1	$\frac{1}{4}$ oz. to 17 lbs.	7 10	8 35

SCALES

GROCCERS' IMPROVED TRIP SCALE.

BUTCHERS' IMPROVED TRIP SCALE.



HOBBS



WITH SIDE BEAM.

Without Weights.	Capacity.	With Tin Scoop.	With Brass Scoop.
No. 3	$\frac{1}{2}$ oz. to 6 lbs.	\$4 30	\$5 05
No. 2	$\frac{1}{2}$ oz. to 10 lbs.	5 25	6 25
No. 1	$\frac{1}{2}$ oz. to 17 lbs.	6 50	7 80
With Weights Complete.			
No. 3	$\frac{1}{2}$ oz. to 6 lbs.	5 20	6 00
No. 2	$\frac{1}{2}$ oz. to 10 lbs.	6 45	7 45
No. 1	$\frac{1}{2}$ oz. to 17 lbs.	8 30	9 55

Without Side Beam.

	No. 1. 17 lbs.	No. 2. 10 lbs.	No. 3. 6 lbs.
Brass plate and iron plate	\$ 8 60	\$6 15	\$5 10
Porcelain plate and iron plate	9 10	7 45	6 00
Porcelain plate and brass plate	10 60	8 45	6 50
With Side Beam.			
Brass plate and iron plate	9 80	7 00	6 00
Porcelain plate and iron plate	10 30	8 45	7 00
Porcelain plate and brass plate	11 80	9 40	7 50

GROCCERS' IMPROVED TEA SCALE.

GROCCERS' IMPROVED SCALE WITH SINGLE BEAM.



Without Side Beam.	Capacity.	Price.
No. 3 With weights and brass dish	$\frac{1}{2}$ oz. to 6 lbs.	\$5 00
No. 2 With weights and brass dish	$\frac{1}{2}$ oz. to 10 lbs.	6 40
No. 1 With weights and brass dish	$\frac{1}{2}$ oz. to 17 lbs.	8 40
With Side Beam.		
No. 3 With weights and brass dish	$\frac{1}{2}$ oz. to 6 lbs.	6 00
No. 2 With weights and brass dish	$\frac{1}{2}$ oz. to 10 lbs.	7 50
No. 1 With weights and brass dish	$\frac{1}{2}$ oz. to 17 lbs.	9 75



	Capacity.	With Tin Scoop.	With Brass Scoop.
No. 2 With light base	$\frac{1}{2}$ oz. to 40 lbs.	\$8 00	\$ 9 00
No. 1 With heavy base	$\frac{1}{2}$ oz. to 60 lbs.	9 00	10 00
With sliding poise instead of notched beam, \$1.00 extra.			

IMPROVED UNION MEAT SCALE.

GROCCERS' IMPROVED SCALE WITH DOUBLE BEAM.



WITH PORCELAIN PLATE.

	Capacity.	Price.
Single beam	$\frac{1}{2}$ oz. to 240 lbs.	\$11 40
Double beam	$\frac{1}{2}$ oz. to 240 lbs.	12 30
With sliding poise instead of notched beam, \$1.00 extra.		



	Capacity.	With Tin Scoop.	With Brass Scoop.
No. 2 With light base	$\frac{1}{2}$ oz. to 40 lbs.	\$ 9 00	\$10 00
No. 1 With heavy base	$\frac{1}{2}$ oz. to 60 lbs.	10 00	11 00
With sliding poise instead of notched beam, \$1.00 extra.			



WITH ROUND OR SQUARE PLATE.

	Capacity.	Price.
Porcelain Plate, notched beam	60 lbs.	\$10 00
Porcelain Plate, sliding poise	60 lbs.	11 00

STAMPING EXTRA.

GROCCERS' "DETECTIVE" SCALES



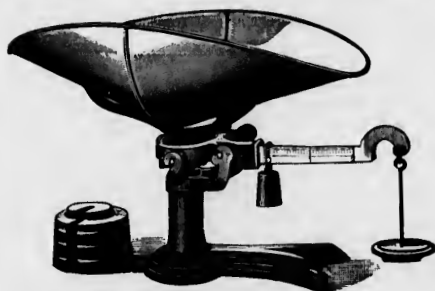
No. 1.

Capacity— $\frac{1}{2}$ oz. to 60 lbs..... Price, \$8 50

No. 2.

Capacity— $\frac{1}{2}$ oz. to 40 lbs..... Price, \$7 00

TWO IN A BOX.



No. 3.

Capacity— $\frac{1}{2}$ oz. to 20 lbs..... Price, \$6 00

TWO IN A BOX.



No. 4.

Capacity— $\frac{1}{2}$ oz. to 10 lbs..... Price, \$5 00

THREE IN A BOX.

No. 5.

Capacity— $\frac{1}{2}$ oz. to 6 lbs..... Price, \$4 00

THREE IN A BOX.

STAMPING EXTRA.

Improved Union or Family Scale.

SINGLE BEAM.

Capacity.	With Tin Scoop.	With Brass Scoop.
$\frac{1}{2}$ oz. to 240 lbs.....	\$10 45	\$11 40

DOUBLE BEAM.

Capacity.	With Tin Scoop.	With Brass Scoop.
$\frac{1}{2}$ oz. to 240 lbs.....	\$11 40	\$12 30

With Sliding Poise instead of Notched Beam, \$1 extra.

UNION OR FAMILY SCALE.



STAMPING EXTRA.

"Champion" Union Scales.

Capacity—No. 1, $\frac{1}{2}$ oz. to 200 lbs. (Tin Scoop.)

No. 1	Grade 3, Plain Black.	Grade 2, First-class Finish.	Grade 1, Extra Finish.
	\$7 00	\$7 50	\$9 00

Capacity—No. 2, $\frac{1}{2}$ oz. to 240 lbs. (Tin Scoop.)

No. 2	Grade 3, Plain Black.	Grade 2, First-class Finish.	Grade 1, Extra Finish.
	\$7 50	\$8 00	\$10 45

SCALES

975

IMPROVED BUTCHERS' SCALE.

FIG. 1.

IMPROVED BUTCHERS' SCALE.

NICKEL PLATED BRASS BEAM AND
BRASS SLIDING POISE.

BRASS BEAMS AND BRASS ENDS.

FIG. 1.

	Capacity.	Price.
With Tin Dish.....	10 lbs.	\$10 00
With Tin Dish.....	50 lbs.	11 00
With Porcelain Slab.....	50 lbs.	12

STAMPING EXTRA.



IMPROVED BUTCHERS' SCALE.

HANDSOMELY NICKEL PLATED. BRASS SLIDING
POISE AND PORCELAIN PLATE.

Capacity.	Price.
75 lbs.....	\$24 00

STAMPING EXTRA.

IMPROVED BUTCHERS' SCALE.

IMPROVED STEELYARD.



PORTABLE—WITH STAND.

Porcelain Slab.....Capacity, 50 lbs.....Price, \$12 60

STAMPING EXTRA.



TO WEIGH BY HAND.

Capacity,	Price,
25 lbs.....	\$5 50
50 lbs.....	6 25
60 lbs.....	7 25
100 lbs.....	8 50

STAMPING EXTRA.

IMPROVED STEELYARD.



WITH ATTACHMENT TO FASTEN TO WAGON.

Capacity,	Price,
25 lbs.....	\$6 25
50 lbs.....	7 00
60 lbs.....	8 00
100 lbs.....	9 25

STAMPING EXTRA.

WEIGH BEAMS

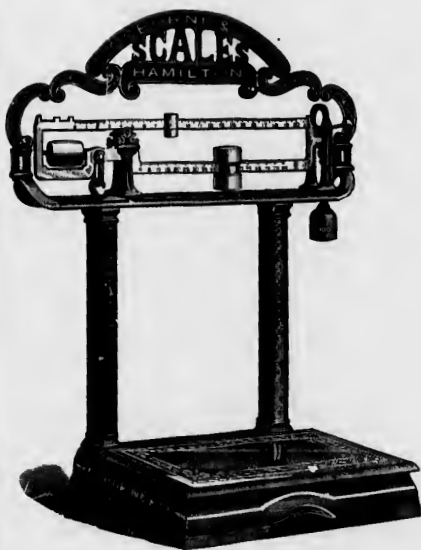


SUPERIOR NOTCHED AND POLISHED BEAMS, WITH WEIGHTS.

Heavy No. 1.

Capacity :	Pounds,	200	250	300	400	500	600
	Each,	\$4 40	4 70	5 00	5 60	6 00	6 50

COUNTER PLATFORM SCALES



CANADIAN COUNTER SCALE.

VERY ATTRACTIVE.

NICKEL PLATED BEAMS AND SLIDING POISES.

HANDSOMELY FINISHED.

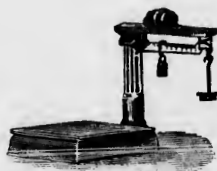
CAPACITY.	PLATFORM.	PRICE.
200 lbs.	12 X 15.	\$24 00.

This Scale has a large Platform in proportion to room occupied. The beam can be easily read from both sides, being placed above the cap.

STAMPING EXTRA.

IMPROVED
SHORT PILLAR COUNTER SCALE.

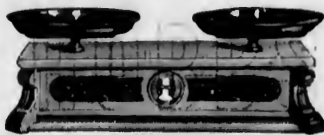
No. 12	CAPACITY.	PLATFORM.	PRICE.
	300 lbs.	14 X 19 in.	\$15 00.
	STAMPING EXTRA.		



IMPROVED SHORT PILLAR COUNTER SCALE.

SCALES

DRUGGISTS' BOX SCALES.



Box Scales No. 1.

FINE HARDWOOD BOX, WITH DIAL.

VERY ELEGANT SCALE.

No. 1	Capacity 10 lbs.	\$18 00
No. 2	Capacity 15 lbs.	21 00
No. 4	Capacity 25 lbs.	24 00

All Druggists' Scales are priced without Weights

STAMPING EXTRA.

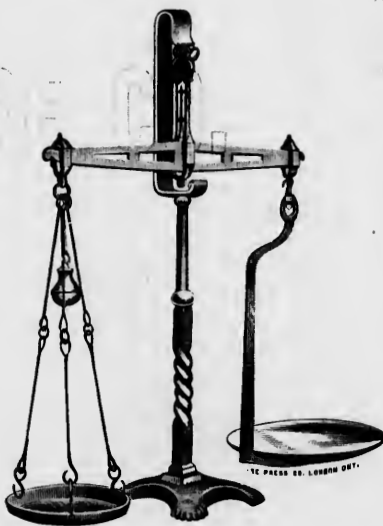
GROCERS' ENGLISH PATENT AGATE SCALES.



No. 940.



Style of No. 926.



No. 923

Length of Beams, Inch,
Each, \$ 12

14

16

Length of Beams, Inch,
Pounds,
Each, \$ 2

12

14

16

18

Brass Dish or Scoop.

No. 926, Scoop.

Length of Beam.

Inch,
Pounds,
Each, \$

14

8

18

15

SCALES

IMPROVED PORTABLE PLATFORM SCALES.



WITHOUT WHEELS.

	Capacity.	Platform.	Price.
No. 12	300 lbs.	19 x 14 inches	\$16 00
No. 11½	500 lbs.	22 x 15 inches	19 50
No. 11	600 lbs.	25 x 16 inches	23 50
No. 10½	1,000 lbs.	26 x 17 inches	26 00
No. 10	1,200 lbs.	28 x 20 inches	31 00
No. 9	1,500 lbs.	28 x 21 inches	34 00
No. 8	2,000 lbs.	30 x 23 inches	37 00
No. 7	2,500 lbs.	30 x 23 inches	47 00

STAMPING EXTRA.



WITH WHEELS.

	Capacity.	Platform.	Price.
No. 12	300 lbs.	19 x 14 inches	\$18 00
No. 11½	500 lbs.	22 x 15 inches	21 50
No. 11	600 lbs.	25 x 16 inches	25 50
No. 10½	1,000 lbs.	26 x 17 inches	29 00
No. 10	1,200 lbs.	28 x 20 inches	34 00
No. 9	1,500 lbs.	28 x 21 inches	37 00
No. 8	2,000 lbs.	30 x 23 inches	40 00
No. 7	2,500 lbs.	30 x 23 inches	50 00

STAMPING EXTRA.

PLATFORM SCALES.



WITH HEAVY WHEELS AND DROP LEVER.

	Capacity.	Platform.	Price.
No. 10	1,200 lbs.	26 x 17 inches	\$33 00
No. 9	1,500 lbs.	28 x 20 inches	38 00
No. 8	2,000 lbs.	28 x 21 inches	46 00
No. 7	2,500 lbs.	30 x 23 inches	51 00
No. 6	3,000 lbs.	30 x 23 inches	61 00

STAMPING EXTRA.

IMPROVED SALT, MEAT AND FISH SCALE.



IMPROVED SALT, MEAT AND FISH SCALE

	Capacity.	Platform.	No. Wheels.	With Wheels.
No. 1	600 lbs.	25 x 16 inches	\$25 00	\$27 00
No. 2	1,000 lbs.	26 x 17 inches	30 00	32 00

STAMPING EXTRA.

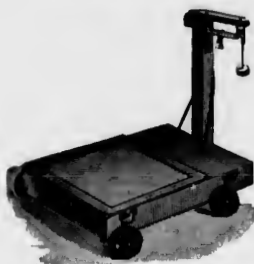
SCALES

IMPROVED PORK AND GRAIN OR WHEELBARROW SCALE.



WITH BROAD PLATFORM.

IMPROVED PORTABLE WARE- HOUSE SCALE.



FOR WEIGHING BULKY ARTICLES.

	Capacity.	Platform.	With Wheels.	Without Wheels.		Capacity.	Platform.	With Wheels.	Without Wheels.
No. 1	1,500 lbs.	42 x 30 inches.....	\$70 00	\$65 00	No. 8	2,000 lbs.	21 x 31 inches.....	\$ 50 00	\$ 46 00
No. 2	2,000 lbs.	44 x 36 inches.....	80 00	75 00	No. 7	2,500 lbs.	25 x 34 inches.....	63 00	60 00
					No. 5	3,000 lbs.	31 x 30 inches.....	68 00	65 00
					No. 4	3,500 lbs.	42 x 44 inches.....	85 00	80 00
					No. 1	5,000 lbs.	48 x 40 inches.....	110 00	100 00

STAMPING EXTRA.

STAMPING EXTRA.

IMPROVED DORMANT WARE- HOUSE SCALE.



WITH ONE PILLAR. DROP LEVER.

IMPROVED DORMANT WARE- HOUSE SCALE.



WITH TWO IRON PILLARS.

	Capacity.	Platform.	Price.
No. 8	2,000 lbs.	21 x 31 inches.....	\$ 46 00
No. 7	2,500 lbs.	25 x 34 inches.....	60 00
No. 5	3,000 lbs.	31 x 40 inches.....	65 00
No. 4	3,500 lbs.	42 x 44 inches.....	70 00
No. 3	4,000 lbs.	42 x 44 inches.....	75 00
No. 1	5,000 lbs.	48 x 48 inches.....	100 00

STAMPING EXTRA.

HANDSOMELY FINISHED THROUGHOUT.

	Capacity.	Platform.	Price.
No. 5	3,000 lbs.	31 x 40 inches.....	\$ 80 00
No. 4	3,500 lbs.	42 x 48 inches.....	90 00
No. 1	5,000 lbs.	48 x 48 inches.....	120 00

STAMPING EXTRA.

SCALES

IMPROVED ROLLING MILL OR IRON SCALE.

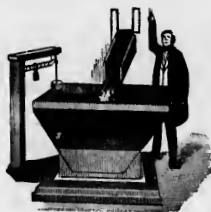


WITH RUBBER SPRING PLATFORM.

	Capacity.	Platform.	Price.
No. 2	2,500 lbs.	30 x 23 inches	\$ 90 00
No. 1	4,000 lbs.	39 x 30 inches	120 00

STAMPING EXTRA.

IMPROVED DORMANT HOPPER SCALE.



WITH SINGLE PILLAR.

Capacity, 40 bushels	\$ 65 00
" 60 bushels	75 00
" 100 bushels	100 00

WITH TWO IRON PILLARS.

SLIDING POISE AND GRADUATED COUNTER POISE.
ELEGANTLY FINISHED.

Capacity, 60 bushels	\$ 85 00
" 100 bushels	110 00
" 125 bushels	150 00
" 300 bushels	250 00

The above prices are exclusive of the Hopper, which we supply, if required, at purchaser's expense.

Our Patent Combination Grain Beam will weigh in pounds or bushels of any kind of grain. Send for particulars. Price \$30.00.

Any Size Hopper Scales made to order.

STAMPING EXTRA.

IMPROVED DORMANT FLOUR SCALE.

TO BE USED WITHOUT PRESS.

Capacity.	Platform.	Price.
600 lbs.	25 x 16	\$25 00

IMPROVED DAIRY SCALE.



IMPROVED DAIRY SCALE.

DOUBLE BEAM, WITH SLIDING POISE.

	Capacity.	With Wheels.	Without Wheels.
No. 2	600 lbs.	\$27 00	\$25 00
No. 1	1,000 lbs.	32 00	30 00

STAMPING EXTRA.

IMPROVED FIVE-BEAM DAIRY SCALE.



WITH HEAVY WHEELS.

This Scale has a Compound Beam for Weighing and Registering separately. The weighing is all done with the poises, and effects a great saving in time over other scales, as different quantities of milk may be registered as they are poured into the can.

	Capacity.	Price.
No. 2	600 lbs.	\$40 00
No. 1	1,000 lbs.	45 00

STAMPING EXTRA.

SCALES

IMPROVED STOCK SCALE.



IMPROVED STOCK SCALE.

Capacity.	Platform.	Price.
3 tons.	14 feet x 8 feet 3 inches.....	\$125 00
4 tons.	" " "	150 00
5 tons.	" " "	175 00
6 tons.	" " "	200 00

WITH DOUBLE BEAM, \$10 EXTRA.

The above prices are exclusive of timber and foundation and all labor in erection, which are to be furnished at purchaser's expense.

Plan of Foundation and Specification of Lumber required will be furnished on application.

Special discount on these Scales given on application.

STAMPING EXTRA.

IMPROVED COAL SCALE.



Capacity.	Platform.	Price.
3 tons.	13 feet x 8 feet	\$125 00
4 tons.	" "	150 00

WITH DOUBLE BEAM, \$10 EXTRA.

The above prices are exclusive of timber and foundation and all labor in erection, which are to be furnished by purchaser.

Plan of Foundation and Specification of Lumber required will be furnished on application.

Special discount on these Scales given on application.

STAMPING EXTRA.

HARDWARE CO.

IMPROVED HAY SCALE.



Capacity.	Platform.	Price.
3 tons.	14 feet x 9 feet.....	\$125 00
4 tons.	" "	150 00
5 tons.	" "	175 00
6 tons.	" "	200 00
8 tons.	" "	225 00
10 tons.	" "	250 00
15 tons.	" "	275 00

WITH DOUBLE BEAM, \$10 EXTRA.

The above prices are exclusive of timber and foundation and all labor in erection, which are to be furnished by purchaser.

Plan of Foundation and Specification of Lumber required will be sent on application.

Special discount on above Scales given on application.

STAMPING EXTRA.

SCALES

"OUR SPECIALTY" PORTABLE PLATFORM SCALES.



WITH WHEELS.

No.	Capacity,	Platform,	Price,
No. 11½	600 lbs.	22 x 15 inches	\$19 00
No. 11	900 lbs.	25 x 16 inches	" 23 00
No. 10½	1200 lbs.	26 x 17 inches	" 28 00
No. 10	1600 lbs.	28 x 20 inches	" 34 00
No. 9	2000 lbs.	28 x 21 inches	" 37 00
No. 8	2500 lbs.	30 x 23 inches	" 40 00
No. 7	3000 lbs.	30 x 23 inches	" 50 00

WITHOUT WHEELS.

No.	Capacity,	Platform,	Price,
No. 11½	600 lbs.	22 x 15 inches	\$17 00
No. 11	900 lbs.	25 x 16 inches	" 21 00
No. 10½	1200 lbs.	26 x 17 inches	" 26 00
No. 10	1600 lbs.	28 x 20 inches	" 31 00
No. 9	2000 lbs.	28 x 21 inches	" 34 00
No. 8	2500 lbs.	30 x 23 inches	" 37 00
No. 7	3000 lbs.	30 x 23 inches	" 47 00

WITH HEAVY WHEELS AND DROP LEVER

No.	Capacity,	Platform,	Price,
No. 10½	1200 lbs.	26 x 17 inches	\$33 00
No. 10	1600 lbs.	28 x 20 inches	" 38 00
No. 9	2000 lbs.	28 x 21 inches	" 46 00
No. 8	2500 lbs.	30 x 23 inches	" 51 00
No. 7	3000 lbs.	30 x 23 inches	" 64 00

FARM STOCK SCALE



A FAMILY AND GRANARY SCALE.

No.	Capacity,	Platform,	Price,
No. 1	4000 lbs.	4 x 6 feet	\$60 00
No. 2	3000 lbs.	3 x 5 feet	" 50 00
No. 3	3500 lbs.	3 x 6 feet	" 55 00

SCALE WEIGHTS

983

STANDARD NEST WEIGHTS IN SETS.



Capacity.	Iron.	Brass.
8 oz. down	\$0 54	\$ 1 20
1 lb. down	68	1 80
3 lbs. down	90	3 15
5 lbs. down	1 00	3 85
6 lbs. down	1 12	4 50
7 lbs. down	1 22	5 10
10 lbs. down	1 56	7 10
17 lbs. down	2 30	11 00

SINGLE WEIGHTS SEPARATE FROM FULL SETS.

Capacity.	Iron.	Brass.
$\frac{1}{4}$ oz. and $\frac{1}{2}$ oz. each,	\$0 08	\$ 0 10
1 oz. and 2 oz.	08	18
4 oz.	08	25
8 oz.	14	50
1 lb.	14	70
2 lbs.	22	1 35
3 lbs.	32	2 00
5 lbs.	56	3 00

DRUGGISTS' AVOIRDUPOIS WEIGHTS.



BRASS BLOCK WEIGHTS.

In hardwood block, thoroughly finished in every respect.

Capacity.	Brass.	Nickel Plated.
$\frac{1}{4}$ oz. to 1 lb.	\$4 50	\$6 00
$\frac{1}{4}$ oz. to 2 lbs.	6 00	8 00
$\frac{1}{4}$ oz. to 3 lbs.	7 00	9 00

DRUGGISTS' AVOIRDUPOIS WEIGHTS.



NICKEL PLATED QUEEN ANNE BLOCK WEIGHTS.

Weights are of brass, heavily nickel plated. They sit in recess on top of hardwood block.

$\frac{1}{4}$ oz. to 1 lb.	\$6 00
$\frac{1}{4}$ oz. to 2 lbs.	8 00
$\frac{1}{4}$ oz. to 3 lbs.	9 00

DRUGGISTS' AVOIRDUPOIS WEIGHTS.



NEST WEIGHTS.

VERY ACCURATELY ADJUSTED.

Capacity.	Solid Brass.	Sealed Iron.
$\frac{1}{4}$ oz. to 1 lb.	\$3 00	\$0 50
$\frac{1}{4}$ oz. to 2 lbs.	5 00	0 75
$\frac{1}{4}$ oz. to 3 lbs.	6 50	1 00

WEIGHTS SUBJECT TO SAME DISCOUNT AS SCALES.

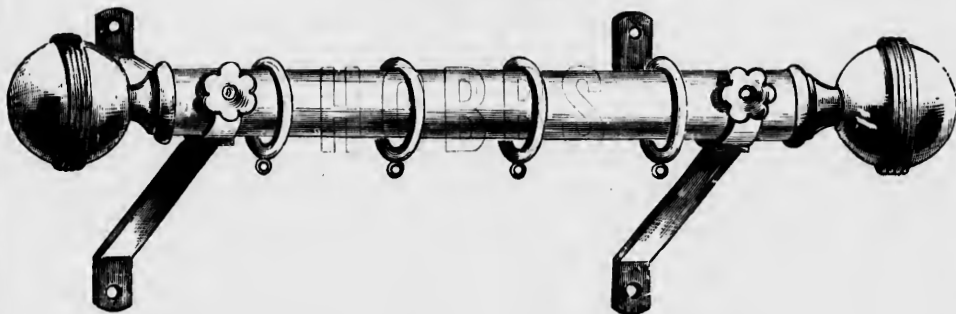
BRASS BELL WEIGHTS.

8 oz.	4 oz.	2 oz.	1 oz.	$\frac{1}{2}$ oz.	per set, \$
1 lb.					
2 lbs.					per pound, \$
3 lbs.					
5 lbs.					

STAMPING 5 CENTS, NET, EXTRA FOR EACH WEIGHT.

BRASS GOODS

CORNICE POLES.



IN COMPLETE SETS OF ONE 5-FT. POLE, ONE PAIR OF BRACKETS, ONE PAIR OF ENDS, AND TEN RINGS,
WITH EITHER WALNUT, EBONY, ASH, OR MAHOGANY POLES

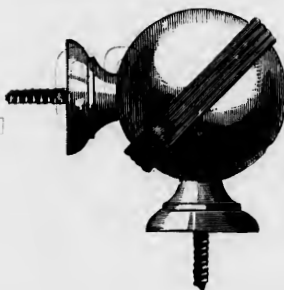
1½ inch	Burnished Brass Trimmings, Wood Poles	per set, \$
2 inch	Burnished Brass Trimmings, Wood Poles	per set,

BRASS POLE ENDS.



1½ inch	Brass Pole Ends	per pair, \$
2 inch	Brass Pole Ends	per pair,

BRASS BALL JOINTS.



1½ inch	Brass Ball Joints	per pair, \$
2 inch	Brass Ball Joints	per pair,

BRASS POLE RINGS.



1½ inch	Brass Pole Rings	per set of 10, \$
2 inch	Brass Pole Rings	per set of 10,

BRASS POLE BRACKETS.



1½ inch	Brass Pole Brackets	per pair, \$
2 inch	Brass Pole Brackets	per pair,

CUTS EXACT SIZE.

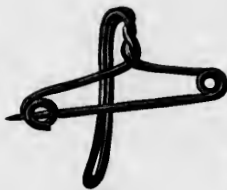
DRAPERY SNAPS.

TO PIN ON INSTEAD OF SEWING.



No. 324.

Per gross....\$



No. 327.

Per gross....\$



No. 330.

Per gross....\$



OPEN.

No. 350.

Per gross....\$



CLOSED.

ONE GROSS IN A BOX.

CUTS FULL SIZE.



No. 86.



No. 430.



No. 131.



No. 28.

No. 86	Tassel Hooks, Brass, Burnished	-	-	-	-	-	-	-	per gross, \$
No. 430	" " " "	-	-	-	-	-	-	-	per gross,
No. 131	" " Sheet Brass Plate, Cast Hook	-	-	-	-	-	-	-	per gross,
No. 28	" " " "	-	-	-	-	-	-	-	per gross,
No. 333	" " " "	-	-	-	-	-	-	-	per gross,

QUARTER GROSS IN A BOX.

CURTAIN AND SCREW RINGS

20 $\frac{1}{8}$ inch.20 $\frac{1}{8}$ inch.18 $\frac{3}{16}$ inch.18 $\frac{3}{16}$ inch.13 $\frac{1}{4}$ inch.13 $\frac{1}{4}$ inch.13 $\frac{1}{4}$ inch.13 $\frac{1}{4}$ inch.16 $\frac{1}{4}$ inch.16 $\frac{1}{4}$ inch.16 $\frac{1}{4}$ inch.15 $\frac{1}{4}$ inch.14 $\frac{1}{2}$ inch.14 $\frac{1}{2}$ inch.14 $\frac{1}{2}$ inch.14 $\frac{1}{2}$ inch.14 $\frac{1}{2}$ inch.

10 1 inch.



10 1 inch.



CURTAIN RINGS

No. 20	$\frac{1}{8}$ inch	per gross, \$
No. 20	$\frac{1}{4}$ "	"
No. 20	$\frac{5}{16}$ "	"
No. 18	$\frac{3}{8}$ "	"
No. 18	$\frac{7}{16}$ "	"
No. 18	$\frac{1}{2}$ "	"
No. 18	$\frac{5}{8}$ "	"
No. 18	$\frac{3}{4}$ "	"
No. 16	$\frac{1}{2}$ "	"
No. 16	$\frac{5}{8}$ "	"
No. 16	$\frac{3}{4}$ "	"
No. 15	$\frac{1}{2}$ "	"
No. 14	$\frac{5}{8}$ "	"
No. 14	$\frac{3}{4}$ "	"
No. 16	$\frac{3}{8}$ "	"
No. 14	1 "	"
No. 10	$1\frac{1}{4}$ "	"
No. 8	$1\frac{1}{2}$ "	"

SCREW RINGS

GIMLET POINTED.

No. 18	$\frac{3}{8}$ inch	per gross, \$
No. 18	$\frac{1}{2}$ "	"
No. 18	$\frac{5}{8}$ "	"
No. 16	$\frac{3}{4}$ "	"
No. 14	1 "	"

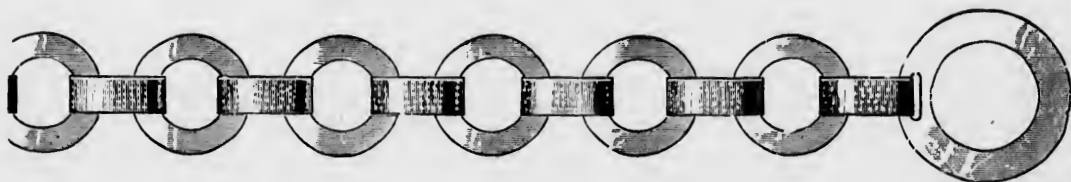
KEY RINGS

No. 4395	Flat, Nickel Plated	per gross, \$
No. 4835	Round, Gilt	per gross,
No. 40	Beveled, Nickel Plated	per gross,

ON CARDS OF ONE DOZEN ASSORTED.

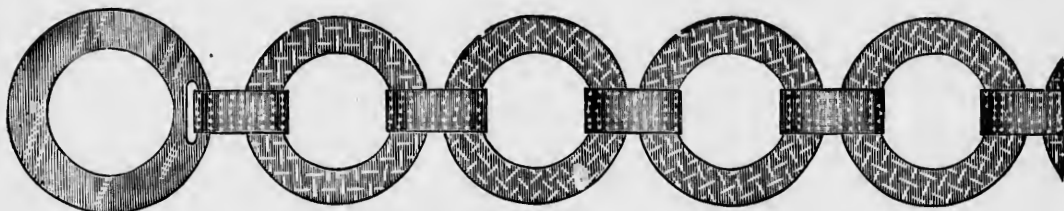
ONE GROSS IN BOX.

BRASS CURTAIN CHAINS



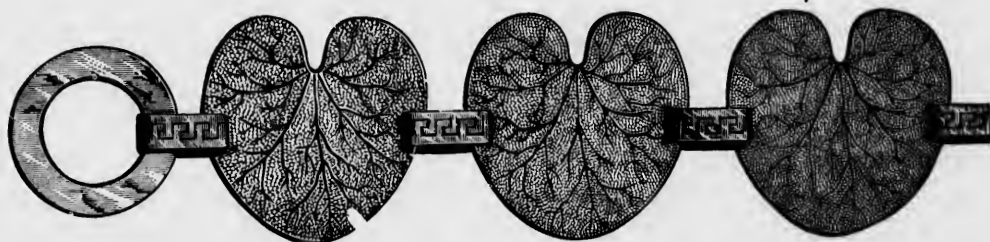
No. 5J 30 inches long

per pair, \$



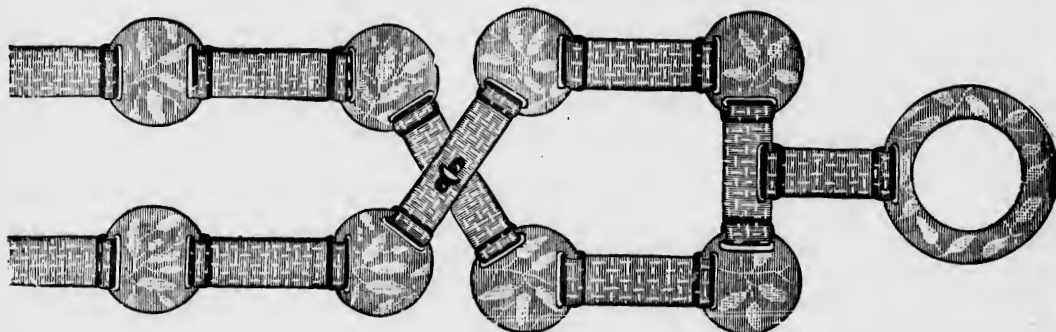
No. 3G 30 inches long

per pair, \$



No. 4J 30 inches long

per pair, \$

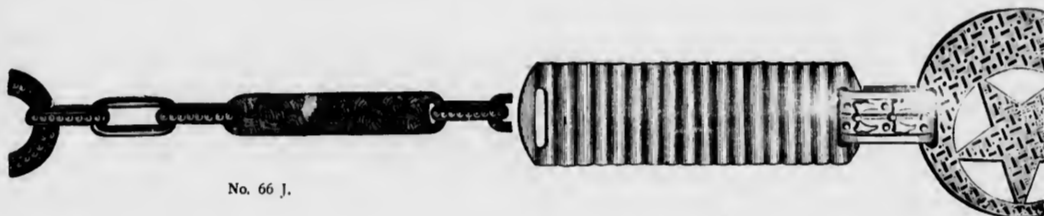


No. 2G 30 inches long

per pair, \$

BRASS CURTAIN CHAINS

989

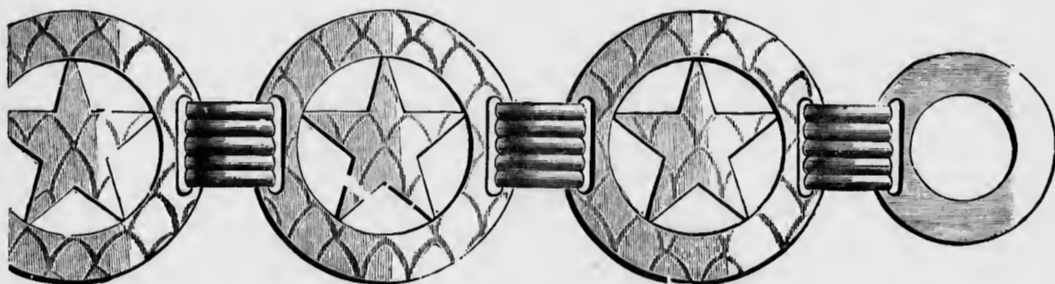


No. 66 J.

No. 71 J.

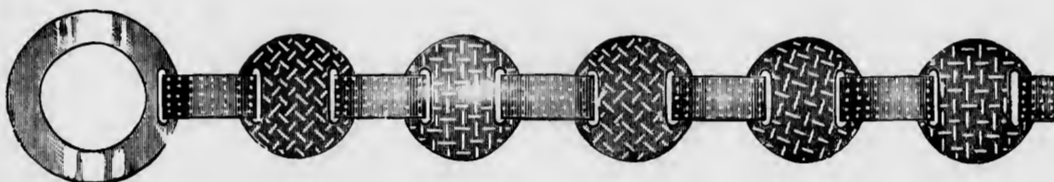
No. 66 J 30 inches long
No. 71 J 30 inches long

per pair, \$
per pair, \$



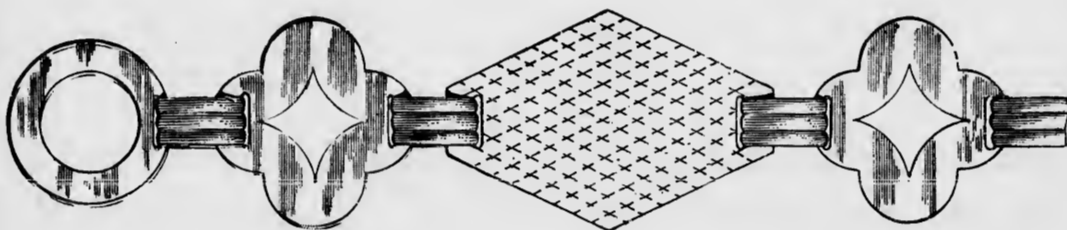
No. 221 G 30 inches long

per pair, \$



No. 1 G 30 inches long

per pair, \$



No. 122 G 30 inches long

per pair, \$

SHADE OR BLIND ROLLERS



WOOD ROLLERS.

"Grand" — $\frac{7}{8}$ inch, suitable for shades 7 feet and under in length - - - - - per dozen, \$
 "Alert" — 1 inch, suitable for shades 7 feet and under in length - - - - - per dozen,

TIN ROLLERS.

$1\frac{1}{4}$ inch Rollers from 2 feet 6 inches to 4 feet in length - - - - - each, \$
 $1\frac{1}{4}$ inch Rollers from 4 feet to 5 feet in length - - - - - each,
 $1\frac{3}{4}$ inch Rollers over 3 feet 6 inches in length - - - - - per foot

NICKEL SHADE PULLS

CUTS FULL SIZE.



No. 150 x $1\frac{1}{2}$ inch.



No. 50 $\frac{1}{2}$ and 113.



No. 150 x 2 inch.

No. 50 $\frac{1}{2}$	2 inch Nickel	- - - - -	per dozen, \$
No. 113	2 inch Nickel, the same style as above, with washer to fit on the edge of the slot instead of the clasp	- - - - -	per dozen
No. 150	$1\frac{1}{2}$ inch Nickel Plated	- - - - -	per dozen
No. 150	2 inch Nickel Plated	- - - - -	per dozen

Packed 3 dozen in a box.

NICKEL SHADE PULLS

CUTS FULL SIZE.

991



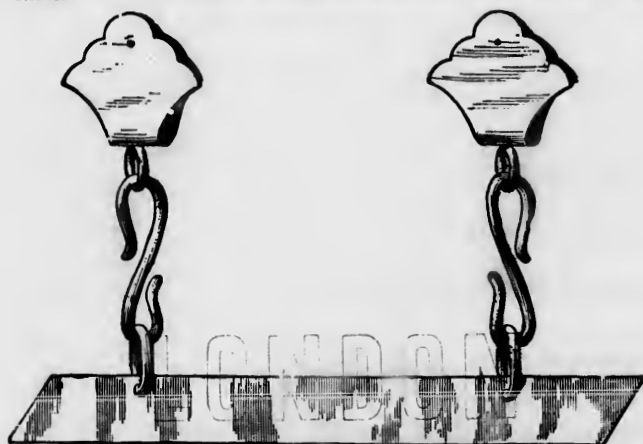
No. 36 4 inch Nickel Plated

per dozen, \$



No. 32 4 inch Nickel

per dozen, \$



No. 4 3½ inch, Nickel

per dozen, \$

PACKED ONE DOZEN IN A BOX.

BRASS PICTURE HOOKS



Full Size Cut of 1 inch.



Full Size Cut of 1 1/4 inch.



Full Size of 1 1/2 inch.

BRASS BURNISHED

No. 74	For 1 inch Moulding	-	-	-	-	-	-	-	-	per gross, \$
No. 75	For 1 1/4 inch Moulding	-	-	-	-	-	-	-	-	per gross
No. 172	For 1 1/2 inch Moulding	-	-	-	-	-	-	-	-	per gross

Packed 1/4 gross in a box.

PATENT PICTURE NAILS



Full Size Cut of No. 9.



Full Size Cut of No. 101 to 107.

No. 50	White Porcelain Centre, Plain Brass Rim (small)	-	-	-	-	-	-	-	-	per gross, \$
No. 9	White Porcelain Centre, Plain Brass Rim	-	-	-	-	-	-	-	-	"
No. 9	Ruby Glass Centre, Plain Brass Rim	-	-	-	-	-	-	-	-	"
No. 9	Blue Glass Centre, Plain Brass Rim	-	-	-	-	-	-	-	-	"
No. 101	Ruby Rose Centre, Plain Rim	-	-	-	-	-	-	-	-	"
No. 105	Ruby Star Centre, Plain Rim	-	-	-	-	-	-	-	-	"
No. 106	Green Star Centre, Plain Rim	-	-	-	-	-	-	-	-	"
No. 107	Blue Star Centre, Plain Rim	-	-	-	-	-	-	-	-	"

Quarter gross in a box, 2 1/2 or 3 inch Spikes. Slide or Screw Head.

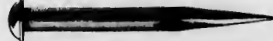
1 1/2 inch



1 3/4 "



2 "



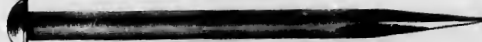
2 1/2 "



3 "



3 1/2 "



4 "



BRASS CAPPED PICTURE NAILS

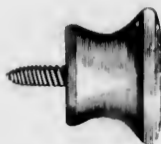
Inch	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4
Per gross, \$							

Packed one gross in package.

PORCELAIN SHUTTER KNOBS



Style of Loose Screw.



Style of Fast Screw.

LOOSE SCREW.

No. 10	Round 'Lead', Tinned Screw, per gross, \$	Size, inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
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FAST SCREW.

Fast Screw, Porcelain Shutter Knobs, per gross, \$	Size, inch	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
--	------------	---------------	---------------	---------------	---	----------------	----------------	----------------	----------------	---

DRAWER KNOBS

PORCELAIN.



Porcelain Drawer Knobs,	Size, inch	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
per gross, \$							

BLACK WALNUT DRAWER KNOBS



Plain Face.



Beaded Face.

Size, inch	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per gross, \$					

BEADED FACE.

Size, inch	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per gross, \$					

All above packed one-half Gross in box.

CHINA NAILS AND DISCS

CHINA NAILS.



No. 37.



No. 37 1/2.

DISCS.



No. 137.



No. 137 1/2.

China Nails.

No. 37	China Head Nails	per 1000, \$
No. 37 1/2	China Head Nails	per 1000,

Discs, Gilt or Silvered.

No. 137	Plain or Fancy (as per cut)	per 1000, \$
No. 137 1/2	Plain or Fancy (as per cut)	per 1000,

PACKED ONE THOUSAND IN A PACKAGE.

BRASS HEAD UPHOLSTERERS' NAILS



No. 43.

No. 43	Small	per 1000, \$
No. 42	Medium	per 1000,
No. 41	Large	per 1000,

PACKED ONE THOUSAND IN A PACKAGE



No. 42.

BRAIDED WIRE PICTURE CORD

TINNED.

No. 0	
No. 1	
No. 2	
No. 3	
No. 4	
No. 5	

Full size cuts of Braided Wire.

Wire Picture Cord--In Coils.

TINNED-BRAIDED.

No.	Per 25 yard coils	\$
No. 0	"	
No. 1	"	
No. 2	"	
No. 3	"	
No. 4	"	
No. 5	"	

GILT-BRAIDED.

No.	Per 25 yard coils	\$
No. 00	"	
No. 0	"	
No. 01	"	
No. 02	"	
No. 03	"	

PICTURE CORD AND SHADE LINE



BALL CORD.

HOBBBS



SHADE AND PICTURE CORD.

HALF GROSS HANKS, ONE GROSS YARDS IN PACKAGE.

Cotton Picture Cord, Balls, Crimson or Green

per dozen balls, \$

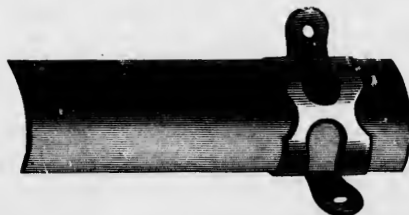
Cotton Picture or Shade Cord, Hanks, Crimson or Green

per gross yards

PLAIN BRASS STAIR RODS

HOBBBS HARDWARE CO.

OVAL, WITH NEW STYLE PATENT LOOPS

 $\frac{3}{4}$ Inch.

Length, Inches	21	22	24	25	26	27	28	30	32
Width, $\frac{3}{4}$ inch, per doz., \$									

Patent Loops (only)

per gross, \$

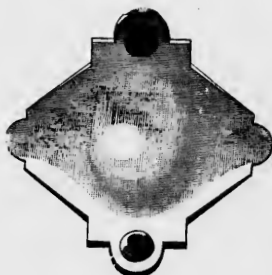
ENGLISH ROUND STAIR RODS.

TURNED BRASS

Length, inches	22	23	24	26	27	28	30	32	34
Per dozen, with eyes, \$									
Per dozen, without eyes									
Eyes only									

per gross, \$

STAIR PLATES



Cuts three-quarter size.

FOR FASTENING STAIR CARPETS.

Stair Plates, Nickel Plated - - - - - per dozen, \$

STAIR CORNER PLATES.

No. 50 Stair Corner Plates, Nickel Plated - - - - - per dozen, \$

QUARTER GROSS IN A BOX.

BANNER RODS



No. 209.

No. 209	10 inch, Burnished Brass, with Rings and Chains	- - - - -	per dozen, \$
No. 209	12 inch, Burnished Brass, with Rings and Chains	- - - - -	per dozen,
No. 10	10 inch, Burnished Brass, with Rings, no Chains	- - - - -	per dozen,

ONE DOZEN IN A BOX.

TOWEL BARS

PLAIN BRASS ROD, FANCY BRASS SOCKET.

No. 100	15 inch x $\frac{1}{4}$, Burnished Brass	- - - - -	per dozen, \$
No. 620	15 inch x $\frac{3}{16}$, Burnished Brass	- - - - -	per dozen,

ONE DOZEN IN A BOX.

BRASS COAL HODS

EMBOSED.

HOBBS



BRASS COAL HOD, No. 850.



BRASS COAL HOD, No. 760.

No. 850
No. 760

Brass Coal Hod; diameter of body, 10 inches; length, 18 inches
Brass Coal Hod; diameter, 9 1/4 inches; 15 inches high

each, \$
each,

HARDWARE CO.
BRASS WOOD CARRIERS

EMBOSED.



BRASS WOOD CARRIER, No. 20.



BRASS WOOD CARRIER, No. 10.

No. 10
No. 20

Height of body, 10 inches; length, 15 inches
Height of body, 9 inches; length, 15 inches

each, \$
each,

UMBRELLA STANDS

BRASS, EMBOSSED.



No. 200.



No. 600.



No. 70.

No. 200	Umbrella Stands, Heavy Embossed Brass, with Handles	-	-	-	-	-	-	-	each, \$
No. 70	Umbrella Stands, Brass, Oxidized, with Handles	-	-	-	-	-	-	-	each,
No. 600	Umbrella Stands, Polished Brass, with Handles	-	-	-	-	-	-	-	each,

BRASS MUSIC RACKS



Style of No. 6206 B.

No. 6206 B	Length 12 inches, Brass Polished and Lacquered, Ebony Base	-	-	-	-	each, \$
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PIANO OR FLOOR LAMPS

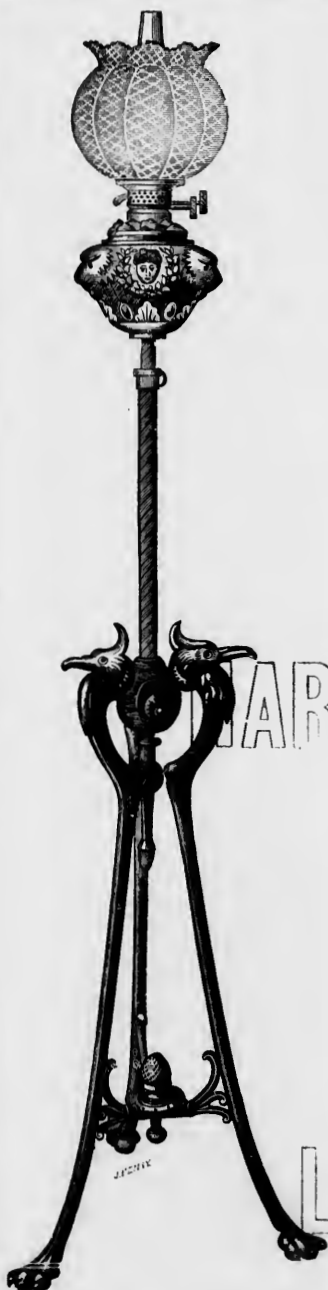
CAST BRASS.

HOBBS

No. 9112 B Cast Brass, Polished and Lacquered,
60 in. high, extends to 78 in., complete, each, \$

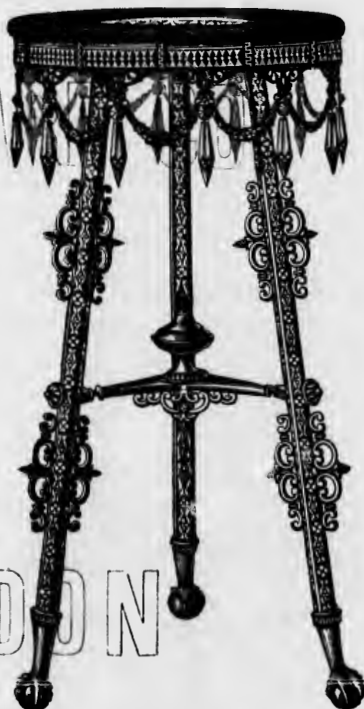
BRASS PLUSH TOP TABLES

UPHOLSTERED IN ALL THE LEADING COLORS



Style of No. 9112 B.

No. 6152½ B Table; height, 30 in.; diameter of top, 15 in.; Brass, Polished and Lacquered, with 12
Lusters and Medallion Centre



Style of No. 6152½ B.

each, \$

HARDWARE

LONDON

BRASS SCONCES

BEVELLED PLATE MIRRORS.



No. 63 (Japanese).

No. 68 Japanese, Brass - - - - - each, \$

BRASS SCONCE



No. 22.

Length 18½ inches, each - - - \$

CRUMB TRAY AND BRUSH



No. 34

Solid Brass, per dozen - - - \$
Nickel-plated - - - - -

FANCY TOILET MIRRORS

BEVELLED PLATE GLASS.

1001



No. 54 Length 14½ inches

each \$



Style of No. 764.

No. 764 Japanese Bronze Frame, height 24 inches, width 12 inches
 No. 352 Brass Frame, height 12 inches, width 6 inches
 No. 353 Brass Frame, height 14 inches, width 8 inches



Style of No. 352-353.

each, \$
 each
 each

FANCY BRONZE AND BRASS VASES



Style of Vase No. 3006.

No. 3006	Brass, height 17 inches, base 5 inches	- - - - -	per pair, \$
No. 3007	Bronze, height 17 inches, base 5 inches	- - - - -	per pair,

FIVE O'CLOCK TEAS

POLISHED BRASS.

1003



Harvard.



Gem.

"Harvard" Kettle and Stand, Polished Brass, Silver-lined, 3 Pint, complete
No. 510 "Gem" Kettle and Stand, Polished Brass, 3 Pint, complete

each, \$
each

BRASS TRAYS.

FANCY TABLE GONGS.



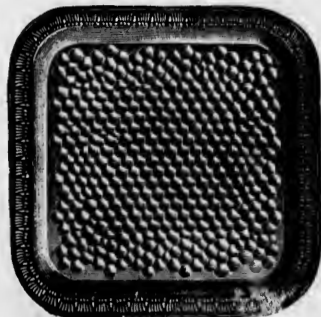
Style of No. 7788 and 7790 B

No. 7788 Gong, Antique Brass, 8 inches high, 7 inches wide
No. 7790 B Gong, Polished Brass, 8 inches high, 7 inches wide

Triangle Brass Tray, 12 in., extra heavy, superior finish, Brass, \$
Favorite Brass Tray, 13 inches square, Brass, per dozen, - \$



Triangle Brass Tray.



Square Brass Tray.

each, \$
each

Nickel, per dozen, \$
Nickel, per dozen, \$

FOLDING FAN SCREENS

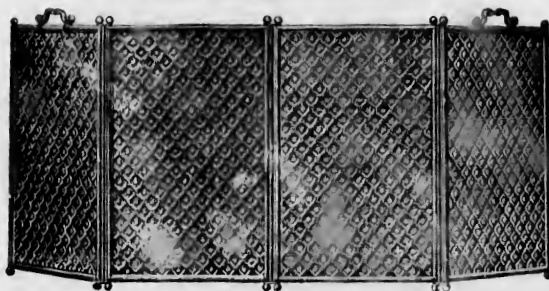
POLISHED BRASS OR ANTIQUE FINISH.



No. 8.

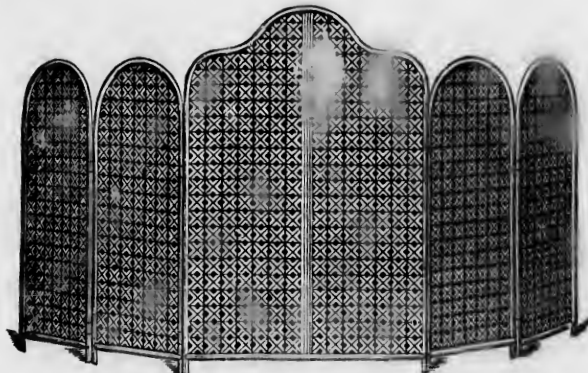
No. 8 Brass Folding Fan Screen, spreads 42 inches wide each, \$

BRASS FOLDING SCREENS.



20 inches high

No. 6 Single Extension, 35 inches each, \$
No. 7 Double Extension, 42 inches each,



No. 1 Single Screen, 24 inches high, extends 30 inches each, \$
No. 2 Double Screen, 24 inches high, extends 42 inches each,

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GRANITE IRONWARE

MANUFACTURED BY THE ST. LOUIS STAMPING CO.



"BELLE"

COFFEE BIGGINS.

Nos.	250	350	450
Quarts,	2	3	4
Per doz.,	\$18 00	21 00	24 00
Each,	1 50	1 75	2 00



"IMPROVED"

COFFEE BIGGINS.

Nos.	20	30	40
Quarts,	2	3	4
Per dozen,	\$15 00	17 40	19 80
Each,	1 25	1 45	1 65



COFFEE BOILERS.

PIT BOTTOM.

WITH RETINNED COVERS.

Nos.	6	7	8	9
Quarts,	4½	6	8½	11½
Doz.,	\$19 20	21 60	24 00	28 80
Each,	1 60	1 80	2 00	2 40



COFFEE BOILERS.

FLAT BOTTOM.

WITH RETINNED COVERS.

Nos.	050	055	60
Quarts,	2½	3½	4½
Per dozen,	14 50	16 80	19 20
Each,	1 20	1 40	1 60

Nos.	70	80	90
Quarts,	6	8½	11½
Per dozen,	\$21 60	24 00	28 80
Each,	1 80	2 00	2 40

IMPROVED LIPPED COFFEE POTS.

WITH RETINNED COVERS.



Nos.	5	15	25
Quarts,	1	1½	2
Per dozen,	\$9 60	10 80	12 00
Each,	80	90	1 00

Nos.	35	45	55
Quarts,	3	4	5
Per dozen,	\$13 80	15 60	18 00
Each,	1 15	1 30	1 50

"WINDSOR" TEA OR COFFEE POTS.

GRANITE COVERS.



Nos.	102	103	104
Quarts,	2	3	4
Per dozen,	\$12 00	15 00	18 00
Each,	1 00	1 25	1 50

Nos.	105	106
Quarts,	5	6
Per dozen,	\$21 00	24 00
Each,	1 75	2 00

GRANITE IRONWARE.

1011

"BELLE" TEA POTS. RETINNED COVERS.



Nos.	200	300
Quarts,	2	3
Doz.,	\$14 40	16 80
Each,	1 20	1 40

Nos.	400	500
Quarts,	4	5
Per dozen,	19 20	21 60
Each,	1 60	1 80

IMPROVED TEA POTS. RETINNED COVERS.



Nos.	0	10	20
Quarts,	1	1 1/2	2
Per dozen,	\$9 60	10 80	12 00
Each,	80	90	1 00

Nos.	30	40	50
Quarts,	3	4	5
Per dozen,	\$13 80	15 60	18 00
Each,	1 15	1 30	1 50

FARINA BOILERS.

WITH RETINNED COVERS.



Nos.	216	218	220
*Pints,	2	3	5
Per doz.,	\$14 40	16 80	19 20
Each,	1 20	1 40	1 60

*Pints inside boilers.

MILK OR RICE BOILERS.

WITH RETINNED COVERS.



Nos.	116	118	120
*Pints,	2	3	5
Per dozen,	14 40	16 80	19 20
Each,	1 20	1 40	1 60

*Pints inside boilers.

MILK, RICE AND VEGETABLE BOILERS.

WITH RETINNED COVERS.



Nos.	14	16
*Quarts,	1	1 1/2
Per dozen,	\$12 00	15 00
Each,	1 00	1 25

*Quarts inside cup.

SEAMLESS MILK, RICE AND VEGETABLE BOILERS.

WITH RETINNED COVERS.



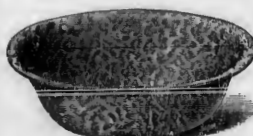
Nos.	52	53
*Pints,	2	4
Per dozen,	\$15 00	21 00
Each,	1 25	1 75

*Pints inside cup.

Nos.	54	56
*Pints,	6	8
Per dozen,	\$27 00	33 00
Each,	2 25	2 75

*Pints inside cup.

ENGLISH MIXING BOWLS.



Nos.	1	2	3
Quarts,	6	10	15
Dozen,	\$7 80	10 80	15 00
Each,	65	85	1 25

Nos.	4	5
Quarts,	14	17
Per dozen,	\$18 00	21 00
Each,	1 50	1 75

SOUP BOWLS.



No.	150
Quart,	1
Inches,	5 1/2 x 2 1/2
Per dozen,	\$3 00
Each,	25

GRANITE IRONWARE.


Wash Bowls.

	Nos.	24	26	28
	Inches,	9½x2½	10½x2½	11½x3½
	Per doz.,	\$4 20	4 80	5 40
	Each,	35	40	45
	Nos.	30	32	34
	Inches,	12½x2½	13x3½	14x3½
	Per doz.,	\$6 60	7 80	9 00
	Each,	55	65	75

Wash Bowls.

	Nos.	100	200
	Inches,	9½x2½	10½x3
	Per dozen,	\$5 40	6 60
	Each,	45	55
	Nos.	300	400
	Inches,	11½x3½	12½x3½
	Per dozen,	\$8 40	11 40
	Each,	70	95


Broilers.

	Inches,	11
	Per dozen.....	\$15 00
	Each.....	1 25

Batter Buckets.

Quarts.	4	6	8
Inches,	6½x6½	7½x7½	8x8½
Per dozen,	\$14 40	16 80	19 20
Each,	1 20	1 40	1 60

Seamless Covered Buckets.

	Nos	35	45	65
	Quart.,	3	4	6
	Inches,	6½x5½	7x6½	8x7
	Per doz.,	\$10 80	11 40	12 00
	Each,	90	95	100
	Nos.	85	105	125
	Quarts,	8	10	12
	Inches,	9x7½	10½x8½	11x10½
	Per doz.,	\$14 40	16 20	18 60
	Each,	1 20	1 35	1 55

Straight Seamed Covered Buckets.

Quarts,	1	2	3
Inches,	5x3½	6x4½	6½x5½
Per dozen,	\$4 80	6 00	7 20
Each,	40	50	60
Quarts,	4	6	8
Inches,	7½x6½	8½x7½	8½x8½
Per dozen,	\$9 00	10 80	13 20
Each,	75	90	110
Quarts,	10	12	
Inches,	9½x9	10½x9½	
Per dozen,	\$15 60	18 00	
Each,	1 30	1 50	

Seamless Flaring Buckets.

	Slop Buckets.	
	3½ Gallons	
	RETINNED COVERS.	
No.	12	
Inches.....	10½x10½	
Per dozen.....	\$ 21 00	
Each.....	1 75	

	Nos.	20	30	40
	Quarts,	2	3	4
	Inches,	7x5½	7½x5½	8x6
	Per dozen,	\$9 00	9 60	10 20
	Each,	75	80	85
	Nos.	60	70	80
	Quarts,	6	7	8
	Inches,	8½x6½	9½x6½	10½x7½
	Per dozen,	\$10 80	11 40	12 60
	Each,	90	95	1 05
	Nos	100	120	160
	Quarts,	10	12	16
	Inches,	11½x7½	12½x8½	13½x9½
	Per dozen,	\$14 40	16 20	19 20
	Each,	1 20	1 35	1 60

GRANITE IRONWARE:

Seamless Water Buckets.



Nos.	102	103	104
Quarts,	2	3	4
Inches,	5½x5	6¼x5¾	7¼x6¼
Per doz.,	\$9 60	10 20	10 80
Each,	80	85	90

Nos.	106	108	110
Quarts,	6	8	10
Inches,	8x7	9x7¾	10¼x8¼
Per doz.,	\$11 40	13 20	15 00
Each,	95	1 10	1 25

Nos.	112	114	116
Quarts,	12	14	16
Inches,	11x9½	12½x9½	13½x10½
Per doz.,	\$16 80	19 80	22 80
Each,	1 40	1 65	1 90

Seamless Water Buckets.



WITH SEAMLESS FOOT.

Nos.	206	208	210
Quarts,	6	8	10
Inches,	8x7	9x7¾	10¼x8¼
Per doz.,	\$12 60	14 40	16 20
Each,	1 05	1 20	1 35

Nos.	212	214	216
Quarts,	12	14	16
Inches,	11x9½	12½x9½	13½x10½
Per doz.,	\$18 00	21 00	24 00
Each,	1 50	1 75	2 00



Chambers.

Nos.	1	1½	2	3
Inches,	4x7½	4½x8½	5½x9½	5½x11
Per doz.,	\$9 00	11 40	14 40	14 40
Each,	75	95	1 20	1 20



GRANITE.

Chamber Covers.

Nos.	1	1½	2	3
Per doz.,	\$3 00	4 20	5 40	6 00
Each,	25	35	45	50

Beaded Sauce Pan and Kettle Covers.



RETINNED.

Nos.	9	10	12	14
Inches,	4¾	5½	5¾	6½
Per doz.,	60	60	60	60

Nos.	16	18	20	22
Inches,	7	7¾	8½	9
Per doz.,	\$1 20	1 20	1 20	1 20

Beaded Sauce Pan and Kettle Covers.



GRANITE.

Nos.	9	10	12	14
Inches,	4¾	5½	5¾	6½
Per doz.,	\$1 80	1 80	2 40	2 40

Nos.	16	18	20	22
Inches,	7	7¾	8½	9
Per doz.,	\$3 00	3 00	3 00	3 00

Nos.	24	26	28	30	32	36
Inches,	10	11	11½	12¼	12½	14
Per dozen,	\$1 20	1 20	1 80	1 80	2 40	3 00

Nos.	24	26	28	30	32	36
Inches,	10	11	11½	12¼	12½	14
Per dozen,	\$3 00	4 20	4 20	4 80		



Wine Coolers.

No.	2
Inches,	7¾x9
Per dozen,	\$10 80
Each,	90



Cullenders.

Nos.	104	205
Inches,	9½x3	10½x3½
Per dozen,	\$7 20	8 40
Each,	60	70

Nos.	306	407
Inches,	11x4	13½x4½
Per dozen,	\$9 60	13 00
Each,	80	1 00

GRANITE IRONWARE

CUSPADORES.



No.	1
Inches	8x6
Per dozen	\$13 20
Each	1 10

CUSPADORES.



No.	2
Inches	6½x5
Per dozen	9 60
Each	80

CUSPADORES.



Nos.	4	5
Inches	6½x5	8x6
Per dozen	\$9 60	10 80
Each	80	90

MINERS' CUPS.



Nos.	10	20
Quarts	1	1½
Inches	5x3½	6x5½
Per dozen	\$5 40	7 20
Each	45	60

DRINKING CUPS.



Nos.	9	10	11	12
Inches	4x2½	4½x2½	4½x2½	5x2½
Dozen	\$2 40	2 64	3 00	3 40
Each	20	22	25	30

FLARING CUPS.



Nos.	10	12
Inches	4½x2½	5½x2½
Per dozen	\$2 64	3 60
Each	22 00	30

COCOA-SHAPED DIPPERS.

WOOD HANDLE.



No.	55
Pints	1
Per dozen	\$6 00
Each	50

CUP DIPPERS.

FLAT HANDLE.



Nos.	10	11	12
Inches	4½x2	4½x2½	5x2½
Per dozen	\$3 60	4 20	4 80
Each	30	35	40

GRANITE IRONWARE.

1015

EXTRA STRONG DIPPERS.



WOOD HANDLES.

Nos.	210	212
Inches,	4½x3	5½x3½
Per doz.,	\$7 20	8 40
Each,	60	70

Nos.	214	216
Inches,	6x3½	6½x3½
Per doz.,	\$9 60	11 40
Each,	80	95

FLARING DIPPERS.



FLAT HANDLE.

Nos.	10	12
Inches,	4½x2½	5x2½
Per dozen,	\$3 60	4 80
Each,	30	40

KITCHEN DIPPERS.



Nos.	14	16
Inches,	6½x3½	7x3½
Per dozen,	\$6 00	7 80
Each,	50	65

WINDSOR DIPPERS.



Nos.	112	114
Quarts,	1	2
Inches,	5½x3	6½x3½
Per doz.,	\$6 00	9 00
Each,	50	75

OVAL MEAT DISHES.



Inches,	12	14
Per doz.,	\$7 20	9 60
Each,	60	80
Inches,	16	18
Per doz.,	\$12 00	15 00
Each,	1 00	1 25

OBLONG PUDDING DISHES.



Nos.	10	11	12
Inches,	10½x7½	11½x8	12½x8½
Per doz.,	\$4 80	5 40	6 60
Each,	40	45	55
Nos.	13	14	15
Inches,	13x9½	14x10	15x10½
Per doz.,	\$7 80	9 60	11 40
Each,	65	80	95

HANGING SOAP DISH.



No.	65
Inches,	4½x1x2½
Per doz.,	3 60
Each,	30

OBLONG SOAP DISHES.



No.	50
Inches,	6x4x1½
Per dozen,	\$3 60
Each,	30

GRANITE IRONWARE.

COVERED OBLONG SOAP DISHES.



No.	55
Inches.....	6x4x1 1/4
Per dozen.....	\$5 40
Each.....	45

OVAL SOAP DISHES.



No.	40
Inches.....	5 1/2 x 4 1/4 x 1 1/2
Per dozen.....	\$3 60
Each.....	30

WALL SOAP DISH.



No.	60
Inches.....	6 1/2 x 4 x 1 1/2
Per dozen.....	\$3 60
Each.....	30

COVERED OVAL SOAP DISHES.



No.	45
Inches.....	5 1/2 x 4 1/4 x 1 1/2
Per dozen.....	\$5 40
Each.....	45

OVAL VEGETABLE DISHES.

WOOD HANDLES.



Nos.	110	113	115
Inches,	10	13	15
Per doz.,	\$18 00	24 00	30 00
Each,	1 50	2 00	2 50

OVAL VEGETABLE DISHES.



Inches,	10	13	15
Per dozen,	\$14 40	19 20	24 00
Each,	1 20	1 60	2 00

POTATO FRIERS.

(CRULLER.)



Nos.	28	32
*Quarts,	8	12
Inches,	11 1/2 x 5 1/2	13 x 5 1/4
Per dozen,	\$33 00	45 00
Each,	2 75	3 75

*Quarts outside vessel.

FUNNELS.



Pints,	1/2	1	2	4
Dozen,	\$3 60	4 20	5 40	7 20
Each,	30	35	45	60

GRANITE IRONWARE

1017

OVAL CAKE GRIDDLES.



Nos.	8	9
Inches,	18 $\frac{1}{4}$ x 9	21 $\frac{1}{4}$ x 10
To fit 8 inch stove holes.		To fit 9 inch stove holes.
Per dozen,	\$12 00	15 00
Each,	1 00	1 25

ROUND CAKE GRIDDLES.



Inches,	13	16
Per dozen,	\$12 00	18 00
Each,	1 00	1 50



HOTEL JARS.

WITH BAIL.

No.	3
Per dozen,	\$30 00
Each,	2 50

OVAL BUTTER KETTLES.



Nos.	00	0	1
Inches,	7 x 5 x 4	8 $\frac{1}{2}$ x 6 $\frac{1}{2}$ x 4 $\frac{1}{2}$	9 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 5
Doz.,	\$14 40	16 80	19 20
Each,	1 20	1 40	1 60

Nos.	2	3
Inches,	10 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 5 $\frac{1}{2}$	11 $\frac{1}{2}$ x 8 $\frac{1}{2}$ x 5 $\frac{1}{2}$
Per dozen,	\$21 60	24 00
Each,	1 80	2 00

COVERED "BERLIN" KETTLES

WITH RETINNED COVERS.



Nos.	02	03	04
Quarts,	1	2	3
Inches,	6 x 3	7 x 3 $\frac{1}{2}$	8 $\frac{1}{2}$ x 4
Per doz.,	\$7 20	9 60	12 00
Each,	60	80	1 00

Nos.	06	08
Quarts,	5	7
Inches,	9 x 5	10 x 5 $\frac{1}{2}$
Per doz.,	\$14 40	16 80
Each,	1 20	1 40

SEAMLESS CAMP KETTLES.



Nos.	12	16
Quarts,	6	8
Inches,	8 x 7	9 x 7 $\frac{1}{2}$
Per doz.,	\$12 00	14 40
Each,	1 00	1 20

Nos.	20	24
Quarts,	10	12
Inches,	10 $\frac{1}{2}$ x 8 $\frac{1}{2}$	11 x 9 $\frac{1}{2}$
Per doz.,	\$16 20	18 60
Each,	1 35	1 55

GRANITE IRONWARE.



SEAMLESS COVERED CONVEX KETTLES

WITH RETINNED COVERS.

Nos.	$\frac{1}{2}$	1	2	3	4
Quarts,	$\frac{1}{2}$	1	2	3	4
Inches,	$4\frac{1}{2} \times 3$	$4\frac{1}{2} \times 4$	$6 \times 4\frac{1}{2}$	7×5	$8\frac{1}{2} \times 5\frac{1}{2}$
Per dozen,	\$4 80	7 20	10 20	13 20	15 60
Each,	40	60	85	1 10	1 30

Nos.	6	8	12	14	18
Quarts,	6	8	12	14	18
Inches,	$9\frac{1}{2} \times 6\frac{1}{2}$	$10\frac{1}{2} \times 7\frac{1}{2}$	$11\frac{1}{2} \times 8$	$12\frac{1}{2} \times 8\frac{1}{2}$	$13\frac{1}{2} \times 9\frac{1}{2}$
Per dozen,	\$19 20	24 00	30 00	33 00	36 00
Each,	1 60	2 00	2 50	2 75	3 00



SEAMED CAMP KETTLES.

Nos.	06	08	010	012
Quarts,	6	8	10	12
Inches,	$7\frac{1}{2} \times 7\frac{1}{2}$	$8\frac{1}{2} \times 9\frac{1}{2}$	$9\frac{1}{2} \times 9\frac{1}{2}$	$10\frac{1}{2} \times 9\frac{1}{2}$
Per dozen,	\$10 80	13 20	15 60	18 00
Each,	90	1 10	1 30	1 50



FISH KETTLES.

Inches,	16	18	20	22	24
Each,	\$3 25	3 75	4 50	5 50	6 50



EXTRA DEEP SEAMLESS FRUIT KETTLES.

Quarts,	2	3	4	6	7
Inches,	$7 \times 5\frac{1}{2}$	$7\frac{1}{2} \times 5\frac{1}{2}$	8×6	$8\frac{1}{2} \times 6\frac{1}{2}$	$9\frac{1}{2} \times 6\frac{1}{2}$
Per dozen,	\$9 00	9 60	10 20	10 80	11 40
Each,	75	80	85	90	95

Quarts,	8	10	12	16	24
Inches,	$10\frac{1}{2} \times 7\frac{1}{2}$	$11\frac{1}{2} \times 7\frac{1}{2}$	$12\frac{1}{2} \times 8\frac{1}{2}$	$13\frac{1}{2} \times 9\frac{1}{2}$	15×10
Per dozen,	\$12 60	14 40	16 20	19 20	22 20
Each,	1 05	1 20	1 35	1 60	1 85

GRANITE IRONWARE.

1019



DEEP PRESERVING KETTLES.

Nos.	16	18	20	22	24
Quarts,	7 1/2	2 1/2	3 1/2	4 1/2	5 1/2
Inches,	7 1/2 x 3 1/2	8 x 4	8 1/2 x 4 1/2	9 1/2 x 4 1/2	10 x 5
Per dozen,	\$6 60	7 80	9 00	10 20	11 40
Each,	55	65	75	85	95

Nos.	26	28	30	32	36
Quarts,	6 1/2	8	10	12	14
Inches,	10 1/2 x 5 1/4	11 1/2 x 5 1/2	12 x 6	13 x 6 1/4	14 x 6 1/2
Per dozen,	\$13 20	15 00	16 80	20 40	24 00
Each,	1 10	1 25	1 40	1 70	2 00



LIPPED PRESERVING KETTLES.

Nos.	14	16	18	20	22	24
Quarts,	1 1/2	2	2 1/2	3	4	5
Inches,	6 1/2 x 3 1/4	7 x 3 1/2	7 1/2 x 2 1/2	8 1/2 x 3 1/4	9 x 4	9 1/2 x 4 1/4
Per dozen,	\$4 20	4 80	6 00	7 20	8 40	9 60
Each,	35	40	50	60	70	80

Nos.	26	28	30	32	40	50
Quarts,	6	7 1/2	10	12	18	30
Inches,	11 x 5	11 1/2 x 5 1/2	12 x 6	13 x 5 1/4	14 1/2 x 7 1/2	17 1/2 x 8 3/4
Per dozen,	\$10 80	12 60	15 00	18 00	27 00	45 00
Each,	90	1 05	1 25	1 50	2 25	3 75



PATENT COVERED "WINDSOR" KETTLES.

WITH RETINNED COVERS.

Nos.	12	14	16	18	20
Quarts,	1	1 1/2	2	2 1/2	3 1/2
Inches,	5 1/2 x 3	6 1/2 x 3 1/4	7 1/2 x 3 1/2	8 x 4	8 1/2 x 4
Per dozen,	\$5 40	6 60	7 80	9 00	10 20
Each,	45	55	65	75	85

Nos.	22	24	26	28	30
Quarts,	4 1/2	5 1/2	6 1/2	8	10
Inches,	9 1/2 x 4	10 1/4 x 4 1/4	10 3/4 x 5	11 1/2 x 5 1/4	12 1/2 x 5 1/4
Per dozen,	\$11 40	12 60	14 40	16 20	18 00
Each,	95	1 05	1 20	1 35	1 50



PATENT STOVE KETTLES.

Nos.	6	7	8	9
Inches,	8 3/4 x 4 3/4	9 3/4 x 5 1/2	11 x 6	12 x 6 1/4
Per dozen,	\$9 60	12 00	15 00	18 00
Each,	80	1 00	1 25	1 50

GRANITE IRONWARE

TEA KETTLES.

PIT BOTTOM.



Nos.	6	7
Quarts,	4	5
Per dozen,	\$19 20	22 80
Each,	1 60	1 90

Nos.	8	9
Quarts,	7	8
Per dozen,	\$27 60	33 60
Each,	2 30	2 80

TEA KETTLES.

FLAT BOTTOM.



Nos.	40	50	60
Quarts,	2	3	4
Per doz.,	\$13 80	15 00	16 80
Each,	1 15	1 25	1 40

Nos.	70	80	90
Quarts,	5	7	8
Per doz.,	\$19 20	22 80	27 60
Each,	1 60	1 90	2 30



TEA KETTLES.

Nos.	31	31½	32	33	34	35	36
Quarts,	1½	2	3¼	4¼	5¼	8	11
Diameter in inches of bottom,	4	5	5¼	6¼	6¾	7¾	8¾
Per dozen,	\$14 40	16 80	19 20	22 80	25 20	36 00	42 00
Each,	1 20	1 40	1 60	1 90	2 10	3 00	3 50



TEA KETTLES.

EXTRA DEEP PIT BOTTOM.

Nos.	16	18	20	22	24	26
Quarts,	2	3	4	5	6	8½
Diameter of pits,	4¼	5¼	6	6½	7	7¾
Per dozen,	\$15 00	16 80	19 20	22 80	27 60	33 60
Each,	1 25	1 40	1 60	1 90	2 30	2 80



SEAMLESS CONVEX TEA KETTLES.

Nos.	302	303	304	306	308
Quarts,	2	3	4	6	8
Diameter of bottom,	6	7	8	9	10
Per dozen,	\$18 00	21 00	24 00	30 00	36 00
Each,	1 50	1 75	2 00	2 50	3 00

GRANITE IRONWARE

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UTILITY KETTLES.

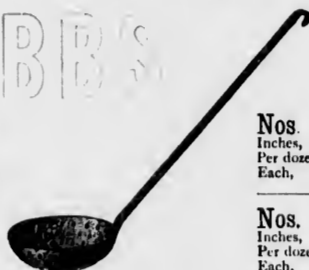


WITH RETINNED COVERS.

Nos.	90	91	92
Per dozen,	\$9 00	10 20	11 40
Each,	75	85	95

Nos.	93	94	95
Per dozen,	\$13 20	15 00	17 40
Each,	1 10	1 25	1 45

FLAT HANDLE LADLES.



PIERCED.

Nos.	8	9	10
Inches,	3 1/2	3 3/4	4
Per dozen,	\$2 40	2 64	2 88
Each,	20	22	24

Nos.	11	12	13
Inches,	4 1/4	4 3/4	5
Per dozen,	\$1 12	3 36	3 60
Each,	26	28	30

SOUP LADLES.



FLAT HANDLE.

No.	29
Inches.....	3 1/2 x 1 1/2
Per dozen.....	\$3 00
Each.....	25



THREADED HANDLE.

No.	38
Inches.....	3 1/2 x 1 1/2
Per dozen.....	\$3 00
Each.....	25

SEAMED MEASURES.



SOLID LIP.

Pints,	1/2	1
Per dozen,	\$4 80	6 00
Each,	40	50

Quarts,	1	2	4
Per dozen,	\$7 80	9 60	14 40
Each,	65	80	1 20

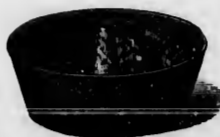
SEAMLESS MEASURES.



Pints,	1/2	1
Per dozen,	\$5 40	6 60
Each,	45	55

Quarts,	1	2	4
Per dozen,	\$9 00	12 00	16 20
Each,	75	1 00	1 35

DEEP TUBED CAKE MOULDS.



Nos.	43	44
Quarts,	8 1/2 x 3 1/2	10 x 3 1/2
Inches,	8 1/2	7 1/2
Per dozen,	\$6 00	7 80
Each,	55	65

Nos.	45	46
Quarts,	5	6
Inches,	10 1/2 x 3 1/2	11 1/2 x 3 1/2
Per dozen,	\$9 00	10 20
Each,	75	85

DEEP OCTAGON CAKE MOULDS.



WITH TUBE.

Nos.	720	730	740
Quarts,	2	3	4
Inches,	8 1/2 x 2 1/2	9 x 3	9 1/2 x 3 1/2
Per dozen,	\$6 00	7 20	8 40
Each,	50	60	70

Nos.	75	760
Quarts,	5	6
Inches,	10 1/2 x 3 1/2	11 1/2 x 3 1/2
Per dozen,	\$9 60	10 80
Each,	80	90

GRANITE IRONWARE.

DEEP OCTAGON CAKE MOULDS.

WITHOUT TUBE.



Nos.	72	73	74
Quarts,	2	3	4
Inches,	8 $\frac{1}{4}$ x2 $\frac{3}{4}$	9x3	9 $\frac{1}{2}$ x3 $\frac{1}{4}$
Per dozen,	\$4 80	6 00	7 20
Each,	40	50	60

Nos.	75	76
Quarts,	5	6
Inches,	10 $\frac{3}{4}$ x3 $\frac{1}{2}$	11 $\frac{1}{4}$ x3 $\frac{1}{2}$
Per dozen,	\$8 40	9 60
Each,	70	80

SHALLOW OCTAGON CAKE MOULDS.

WITH TUBE.



Nos.	201 $\frac{1}{2}$	202
Quarts,	1 $\frac{1}{2}$	2
Inches,	7 $\frac{1}{2}$ x2	8 $\frac{1}{2}$ x2 $\frac{1}{4}$
Per dozen,	\$4 20	4 80
Each,	35	40

Nos.	203	204
Quarts,	3	4
Inches,	9 $\frac{1}{4}$ x2 $\frac{1}{2}$	10 $\frac{1}{4}$ x2 $\frac{1}{2}$
Per dozen,	\$6 00	7 20
Each,	50	60

SHALLOW OCTAGON CAKE MOULDS.

WITHOUT TUBE.



Nos.	301 $\frac{1}{2}$	302
Quarts,	1 $\frac{1}{2}$	2
Inches,	7 $\frac{1}{2}$ x2	8 $\frac{1}{2}$ x2 $\frac{1}{4}$
Per dozen,	\$3 60	4 20
Each,	30	35

Nos.	303	304
Quarts,	3	4
Inches,	9 $\frac{1}{4}$ x2 $\frac{1}{2}$	10 $\frac{1}{4}$ x2 $\frac{1}{2}$
Per dozen,	\$5 40	6 60
Each,	45	55

TURBAN CAKE MOULDS.

WITH TUBE.



Nos.	86	87
Quarts,	2	3
Inches,	8 $\frac{1}{4}$ x2 $\frac{3}{4}$	9x3
Per dozen,	\$6 00	7 20
Each,	50	60

Nos.	88	89
Quarts,	4	5
Inches,	9 $\frac{1}{4}$ x3 $\frac{1}{4}$	10 $\frac{1}{4}$ x3 $\frac{1}{4}$
Per dozen,	\$8 40	9 60
Each,	70	80

TURBAN CAKE MOULDS.

WITHOUT TUBE.



Nos.	6	7
Quarts,	2	3
Inches,	8 $\frac{1}{4}$ x2 $\frac{3}{4}$	9x3
Per dozen,	\$4 80	6 00
Each,	40	50

Nos.	8	9
Quarts,	4	5
Inches,	9 $\frac{1}{4}$ x3 $\frac{1}{4}$	10 $\frac{1}{4}$ x3 $\frac{1}{4}$
Per dozen,	\$7 20	8 40
Each,	60	70

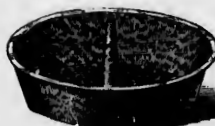
TURK'S HEAD CAKE MOULDS.



Nos.	61	61 $\frac{1}{2}$	62
Quarts,	1 $\frac{1}{2}$	2	3
Inches,	7 $\frac{1}{4}$ x3 $\frac{1}{4}$	8x3 $\frac{1}{4}$	8 $\frac{1}{2}$ x3 $\frac{1}{4}$
Per doz.,	\$6 00	7 20	8 40
Each,	50	60	70

Nos.	63	64
Quarts,	4	6
Inches,	9 $\frac{1}{4}$ x3 $\frac{1}{4}$	11x4 $\frac{1}{4}$
Per dozen,	\$9 60	12 00
Each,	80	1 00

STRAIGHT TUBED CAKE MOULDS.



Nos.	101 $\frac{1}{2}$	102
Quarts,	1 $\frac{1}{2}$	2
Inches,	7 $\frac{1}{2}$ x1 $\frac{1}{4}$	8 $\frac{1}{2}$ x2
Per dozen,	\$4 20	4 80
Each,	35	40

Nos.	103	104
Quarts,	3	4
Inches,	9 $\frac{1}{4}$ x2 $\frac{3}{4}$	10 $\frac{1}{4}$ x2 $\frac{3}{4}$
Per dozen,	\$6 00	6 60
Each,	50	55

CHILDREN'S MUGS.



Nos.	3	5
Pints,	$\frac{3}{4}$	1
Inches,	3x3	3 $\frac{1}{2}$ x4
Per dozen,	\$3 00	3 60
Each,	25	30

GRANITE IRONWARE.

1023

CHAMBER PAILS.



SEAMLESS.

Holds $3\frac{1}{2}$ Gallons.

No.	3
Inches.....	$11\frac{1}{2} \times 10\frac{1}{4}$
Per dozen.....	\$31 20
Each.....	2 60

CHAMBER PAILS.



SEAMED.

No.	2
Inches.....	$12\frac{1}{2} \times 10\frac{1}{4}$
Per dozen.....	\$27 00
Each.....	2 25

COMMODE ATTACHMENT FOR CHAMBER PAILS.



No.	(for No. 3 Pail)	10
No.	(for No. 2 Pail)	20
Per dozen.....		\$12 00
Each.....		1 00

LIPPED WATER PAILS.



No.	300
Inches.....	$10\frac{1}{2} \times 10\frac{3}{4}$
Gallons.....	$3\frac{1}{2}$
Per dozen.....	\$21 00
Each.....	1 75

MILK PAILS.



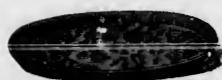
No.	5
Inches.....	$12\frac{1}{2} \times 8\frac{1}{4}$
Gallons.....	3
Per dozen.....	\$30 00
Each.....	2 50

PATENT CORN CAKE PANS.



Nos.	7	7 $\frac{1}{2}$
Cups to the Card,	8	12
Per dozen Cards, \$12 00	18 00	
Each,	1 00	1 50

JELLY CAKE PANS.



Inches,	9	10
Per dozen,	\$2 40	3 00
Each,	20	25

MOUNTAIN CAKE PANS.



Inches,	8	9	10
Per dozen,	\$3 00	3 60	4 20
Each,	25	30	35

GRANITE IRONWARE.

ROUND BAKE PANS.



Quarts,	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	3
Inches,	$6\frac{1}{2} \times 2\frac{1}{2}$	$7 \times 2\frac{1}{2}$	$8 \times 2\frac{1}{2}$	$8\frac{1}{2} \times 2\frac{1}{2}$	$9\frac{1}{2} \times 3\frac{1}{2}$
Per dozen,	\$3 60	4 20	4 80	5 40	6 00
Each,	30	35	40	45	55

Quarts,	4	5	6	8	10
Inches,	10×3	$10\frac{1}{2} \times 3\frac{1}{2}$	$11\frac{1}{2} \times 3\frac{1}{2}$	$13\frac{1}{2} \times 4$	$13\frac{1}{2} \times 4\frac{1}{2}$
Per dozen,	\$6 60	7 20	8 40	9 60	11 40
Each,	55	60	70	80	95



OVAL BAKE PANS.

Nos.	1	2	3	4	5
Inches,	$10\frac{1}{2} \times 7\frac{1}{2} \times 2\frac{1}{2}$	$11\frac{1}{2} \times 8\frac{1}{2} \times 2\frac{1}{2}$	$13 \times 9\frac{1}{2} \times 2\frac{1}{2}$	$14\frac{1}{2} \times 10\frac{1}{2} \times 3$	$16\frac{1}{2} \times 12\frac{1}{2} \times 3\frac{1}{2}$
Per dozen,	\$6 00	7 20	9 00	10 80	14 40
Each,	50	60	75	90	1 20



DEEP DISH PANS.

Quarts,	7	8	10	14
Inches,	$12\frac{1}{2} \times 4\frac{1}{2}$	$14\frac{1}{2} \times 4\frac{1}{2}$	$14\frac{1}{2} \times 5$	16×6
Per dozen,	\$12 00	13 20	15 00	18 00
Each,	1 00	1 10	1 25	1 50

Quarts,	17	21	30
Inches,	$17 \times 6\frac{1}{2}$	$19 \times 6\frac{1}{2}$	21×7
Per dozen,	\$21 00	24 00	36 00
Each,	1 75	2 00	3 00



OVAL DISH PANS.

Quarts,	15	18	22
Inches,	$13 \times 7 \times 5\frac{1}{2}$	$15\frac{1}{2} \times 19 \times 5\frac{1}{2}$	$17 \times 21 \times 5\frac{1}{2}$
Per dozen,	\$18 00	21 00	24 00
Each,	1 50	1 75	2 00

GRANITE IRONWARE.

1025

DUST PANS.



No.	10
Inches.....	13x8 $\frac{1}{4}$
Per dozen.....	\$7 20
Each.....	60

SEAMLESS LADY FINGER PANS.



No.	10
Cups on Frame.....	6
Inches.....	12x6
Per dozen Frames.....	\$4 20
Each.....	35

EGG PANS.



Nos.	1	2	3	4	5
Inches,	5 $\frac{1}{4}$ x1 $\frac{1}{2}$	6x1 $\frac{1}{2}$	7x1 $\frac{1}{2}$	8x1 $\frac{1}{2}$	8 $\frac{3}{8}$ x1 $\frac{3}{8}$
Per dozen,	\$2 40	3 00	3 60	4 20	4 80
Each,	20	25	30	35	40

Nos.	6	7	8	9
Inches,	9 $\frac{1}{2}$ x1 $\frac{1}{4}$	10 $\frac{1}{4}$ x2	11 $\frac{1}{4}$ x2	12 $\frac{1}{4}$ x2 $\frac{1}{4}$
Per dozen,	\$5 40	6 00	6 60	7 20
Each,	45	50	55	60

FRY PANS—DEEP.



Nos.	0	1	2	3	4
Inches,	7 $\frac{3}{4}$ x1 $\frac{1}{2}$	8 $\frac{1}{2}$ x1 $\frac{3}{4}$	9x1 $\frac{3}{4}$	9 $\frac{3}{4}$ x1 $\frac{3}{4}$	10 $\frac{1}{4}$ x2
Per dozen,	\$4 80	5 40	6 00	6 60	7 80
Each,	40	45	50	55	65

Nos.	5	6	7	8
Inches,	11 $\frac{3}{4}$ x2	12 $\frac{1}{4}$ x2	13 $\frac{1}{4}$ x2 $\frac{1}{4}$	14 $\frac{1}{4}$ x2 $\frac{1}{4}$
Per dozen,	\$9 00	10 20	12 00	15 00
Each,	75	85	1 00	1 25

FRY PANS—DEEP. WITH SIDE HANDLES.



Nos.	0	1	2	3	4
Inches,	7 $\frac{3}{4}$ x1 $\frac{1}{2}$	8 $\frac{1}{2}$ x1 $\frac{3}{4}$	9x1 $\frac{3}{4}$	9 $\frac{3}{4}$ x1 $\frac{3}{4}$	10 $\frac{1}{4}$ x2
Per dozen,	\$4 80	5 40	6 00	6 60	7 80
Each,	40	45	50	55	65

Nos.	5	6	7	8
Inches,	11 $\frac{3}{4}$ x2	12 $\frac{1}{4}$ x2	13 $\frac{1}{4}$ x2 $\frac{1}{4}$	14 $\frac{1}{4}$ x2 $\frac{1}{4}$
Per dozen,	\$9 00	10 20	12 00	15 00
Each,	75	85	1 00	1 25

GRANITE IRONWARE.

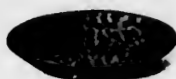
EGG FRY PANS.



Eyes,	4	5
Inches diam.,	9 1/4	12
Per dozen,	\$7 80	9 00
Each,	65	75

Eyes,	6	8
Inches diam.,	12 1/4	14 1/4
Per dozen,	\$10 80	13 20
Each,	90	1 10

GOLD MINERS' PANS.



Inches,	16 1/4
Per dozen.....	\$14 40
Each.....	1 20

MILK PANS.



Quarts,	1/2	1	1 1/2	2	3	3 1/2
Inches,	6x1 1/4	7x1 3/4	7 1/2 x 1 3/4	8 1/2 x 2	9 1/4 x 2 3/4	10x2 1/4
Per dozen,	\$2 40	3 00	3 60	4 20	4 80	5 40
Each,	20	25	30	35	40	45
Quarts,	4	5	6	8	10	12
Inches,	10 3/4 x 2 3/4	11 1/2 x 2 3/4	12 1/2 x 3	13 1/4 x 3 1/4	14 1/4 x 3 1/4	15x3 1/4
Per dozen,	\$6 00	6 60	7 20	7 80	8 40	9 60
Each,	50	55	60	65	70	80

MIXING PANS—FLAT BOTTOM.



Quarts,	7	8
Inches,	12 1/2 x 4 1/4	14 1/2 x 4 1/4
Per dozen,	\$12 00	13 20
Each,	1 00	1 10

Quarts,	10	14
Inches,	14 1/2 x 5	16x6
Per dozen,	\$15 00	18 00
Each,	1 25	1 50

Quarts,	17	21
Inches,	17x6 1/4	19x6 1/4
Per dozen,	\$21 00	24 00
Each,	1 75	2 00

PATENT MUFFIN PANS.



Nos.	5	5 1/2
Cups to the card.....	8	12
Per dozen cards.....	\$10 80	16 20
Each.....	90	1 35

DEEP PUDDING PANS.



Quarts,	1/2	1	1 1/2	2	3
Inches,	6 1/4 x 2 1/4	7x2 3/4	8x2 3/4	8 1/2 x 2 3/4	9 1/4 x 3 1/4
Per dozen,	\$3 00	3 60	4 20	4 80	5 40
Each,	25	30	35	40	45
Quarts,	4	5	6	8	10
Inches,	10x3	10 1/2 x 3 1/2	11 1/4 x 3 3/4	13 1/4 x 4	13 1/2 x 4 1/4
Per dozen,	\$6 00	6 60	7 80	9 00	10 80
Each,	50	55	65	75	90

GRANITE IRONWARE.

1027



OVAL PUDDING PANS.

Nos.	1	2	3	4	5
Inches,	10 1/2 x 7 1/2 x 2 1/2	11 1/2 x 8 1/2 x 2 1/2	13 x 9 1/2 x 2 1/2	14 1/2 x 10 1/2 x 3	16 1/2 x 12 1/2 x 3 1/2
Per dozen,	\$5 40	6 60	7 80	9 60	12 00
Each,	45	55	65	80	1 00



COVERED "BERLIN" SAUCE PANS.

RETINNED COVERS.

Nos.	02	03	04	06	08
Quarts,	1	2	3	5	7
Inches,	6 x 3	7 x 3 1/2	8 1/2 x 4	9 x 5	10 x 5 1/2
Per dozen,	\$7 20	9 60	12 00	14 40	16 80
Each,	60	80	1 00	1 20	1 40



SEAMLESS COVERED CONVEX SAUCE PANS.

Nos.	1/2	1	2	3
Quarts,	1/2	1	2	3
Inches,	4 1/2 x 3	4 1/2 x 4	6 x 4 1/2	7 x 5
With Retinned Covers, per dozen,	\$4 80	7 20	10 20	13 20
Each,	40	60	85	1 10

Nos.	4	6	8
Quarts,	4	6	8
Inches,	8 1/2 x 5 1/2	9 1/2 x 6 1/2	10 1/2 x 7 1/2
With Patented Covers, per dozen,	\$15 60	19 20	24 00
Each,	1 30	1 60	2 00



LIPPED SAUCE PANS.

Nos.	9	10	12	14	16	18
Quarts,	1/2	3/4	1	1 1/2	2	2 1/2
Inches,	4 1/2 x 2 1/2	5 x 2 1/2	6 x 2 1/2	6 1/2 x 3 1/2	7 x 3 1/2	7 1/2 x 3 1/2
Per dozen,	\$2 40	3 00	3 60	4 20	4 80	5 00
Each,	20	25	30	35	40	50

Nos.	20	22	24	26	28	30
Quarts,	3	4	5	6	7 1/2	10
Inches,	8 1/2 x 3 1/2	9 x 4	9 1/2 x 4 1/2	11 x 5	11 1/2 x 5 1/2	12 x 6
Per dozen,	\$7 20	8 40	9 60	10 80	12 60	15 00
Each,	60	70	80	90	1 05	1 25

GRANITE IRONWARE.



LIPPED SAUCE PANS, WITH RINGS.

Nos.	12	14	16	18
Quarts,	1	1½	2	2½
Inches,	6x2½	6½x3¼	7x3½	7½x3½
Per dozen,	\$4 80	6 00	6 60	7 80
Each,	40	50	55	65

Nos.	20	22	24	26	28
Quarts,	3	4	5	6	7½
Inches,	8½x3¼	9x4	9½x4¼	11x5	11½x5½
Per dozen,	\$9 60	11 40	13 20	15 00	17 40
Each,	80	95	1 10	1 25	1 45



PATENT STOVE SAUCE PANS.

Nos.	6	7	8	9
Inches,	8¼x4¼	9¼x5¼	11x6	12x6¼
Per dozen,	\$9 60	12 00	15 00	18 00
Each,	80	1 00	1 25	1 50



EXTRA STRONG STRAIGHT SAUCE PANS.

Nos.	10	12	14	16	18	20	22
Quarts,	¾	1	1½	2	2½	3½	4½
Inches,	4¼x3	5¼x3¼	6x3½	6½x3¼	7¼x4	8½x4¼	9¼x4¼
Per dozen,	\$4 80	6 00	7 20	8 40	9 60	10 80	12 60
Each,	40	50	60	70	80	90	1 05

Nos.	24	26	28	30	32	36
Quarts,	5½	6½	8	10	12	14
Inches,	10x5	10¼x5	11½x5½	12x6	13x6¼	14x6½
Per dozen,	\$14 40	16 20	18 00	21 00	24 00	30 00
Each,	1 20	1 35	1 50	1 75	2 00	2 50



BEADED STRONG SAUCE PANS.

Nos.	18	20	22	24
Quarts,	2½	3½	4½	5½
Inches,	7¼x4	8½x4¼	9¼x4¼	10x5
Per dozen,	\$7 80	9 00	10 20	11 40
Each,	65	75	85	95

Nos.	26	28	30
Quarts,	6½	8	10
Inches,	10¾x5¼	11½x5½	12x6
Per dozen,	\$12 60	15 00	17 40
Each,	1 05	1 25	1 45

GRANITE IRONWARE.

1029



PATENT COVERED "WINDSOR" SAUCE PANS.

Nos.	12	14	16	18	20
Quarts,	1	1½	2	2½	3½
Inches,	5½x3	6½x3½	7½x3½	8x4	8½x4
*Per dozen,	\$5 40	6 60	7 80	9 00	10 20
Each,	45	55	65	75	85

*With Retinned Covers.

Nos.	22	24	26	28	30
Quarts,	4½	5½	6½	8	10
Inches,	9½x4	10x4½	10½x5	11½x5½	12½x5½
*Per dozen,	\$11 40	12 60	14 40	16 20	18 00
Each,	95	1 05	1 20	1 35	1 50

*With Retinned Covers.



PATENT COVERED "WINDSOR" SAUCE PANS.

WITH RINGS.

Nos.	12	14	16	18	20
Quarts,	1	1½	2	2½	3½
Inches,	5½x3	6½x3½	7½x3½	8x4	8½x4
*Per dozen,	\$6 60	8 40	10 20	12 00	13 20
Each,	55	70	85	1 00	1 10

Nos.	22	24	26	28	30
Quarts,	4½	5½	6½	8	10
Inches,	9½x4	10x4½	10½x5	11½x5½	12½x5½
*Per dozen,	\$14 40	16 20	18 60	21 00	23 40
Each,	1 20	1 35	1 55	1 75	1 95

*With Retinned Covers.



DEEP STEW PANS.

Nos.	14	16	18	20	22
Quarts,	1½	2	2½	3	4
Per dozen,	\$4 20	4 80	5 40	6 00	6 60
Each,	35	40	45	50	55

Nos.	24	26	28	30
Quarts,	5	6	7½	9½
Per dozen,	\$7 80	9 00	10 20	11 40
Each,	65	75	85	95



DEEP STEW PANS.

EXTRA STRONG.

Nos.	14	16	18	20	22
Quarts,	1½	2	2½	3	4
Per dozen,	\$5 40	6 00	7 20	8 40	9 60
Each,	45	50	60	70	80

Nos.	24	26	28	30
Quarts,	5	6	7½	9½
Per dozen,	\$10 80	12 00	15 00	18 00
Each,	90	1 00	1 25	1 50

GRANITE IRONWARE.



SHALLOW STEW PANS.

Nos.	3	4	5	6
Quarts,	1	2	3	4
Inches,	7x11 $\frac{1}{2}$	8 $\frac{1}{2}$ x12	9 $\frac{1}{2}$ x12 $\frac{1}{2}$	10 $\frac{1}{2}$ x12 $\frac{1}{2}$
Per dozen,	\$3 00	4 20	4 80	6 00
Each,	25	35	40	50



ROUND CORNERED STOVE PANS.

Nos.	1	2	3	4	6	7
Inches,	8 $\frac{1}{2}$ x7	9x7 $\frac{1}{2}$	10x8	11x9	15 $\frac{1}{2}$ x8 $\frac{1}{2}$	17x9
Per dozen,	\$4 80	5 40	6 00	6 60	9 60	10 20
Each,	40	45	50	55	80	85

Nos.	8	9	10	11	12
Inches,	18x10	20x12	13 $\frac{1}{2}$ x9 $\frac{1}{2}$	15x10 $\frac{1}{2}$	17 $\frac{1}{2}$ x12
Per dozen,	\$11 40	13 20	9 00	10 80	12 00
Each,	95	1 10	75	90	1 00



SEAMLESS OBLONG STOVE PANS.

Nos.	100	200	300	400	500
Inches,	9x7 $\frac{1}{2}$	10x8 $\frac{1}{2}$	12 $\frac{1}{2}$ x8 $\frac{1}{2}$	15x11	17 $\frac{1}{2}$ x12 $\frac{1}{2}$
Per dozen,	\$7 20	7 80	8 40	10 80	15 00
Each,	60	65	70	90	1 25

SEAMLESS SQUARE STOVE PANS.



Nos.	111	112	113
Inches,	11	12	13
Per dozen,	\$9 60	10 80	12 00
Each,	80	90	1 00

Nos.	114	115	118
Inches,	14	15	18
Per dozen,	\$13 20	15 60	18 00
Each,	1 10	1 30	1 50

TART PANS.



No.	02
Inches.....	5 $\frac{1}{2}$ x11 $\frac{1}{2}$
Per dozen.....	\$2 40
Each.....	20

GRANITE IRONWARE

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CONVEX WATER PITCHERS.

SEAMLESS.

Nos.	401	402	403	404	405
Pints,	1	2	3	4	5
Per dozen,	\$10 80	12 00	13 80	15 60	18 00
Each,	90	1 00	1 15	1 30	1 50



GEM WATER PITCHERS.

SEAMLESS.

Nos.	11 1/4	22	33 3/4	55
Quarts,	1 1/4	2	3 3/4	5
Straight Edge, per dozen,	\$ 9 00	10 80	14 40	16 80
Each,	75	90	1 20	1 40
Wired Edge, per dozen,	10 30	12 00	15 00	18 00
Each,	85	1 00	1 25	1 50



CONVEX WATER PITCHERS.

SEAMLESS.

Nos	501	502	503	504	505
Pints,	1	2	3	4	5
Per dozen,	\$10 80	12 00	13 80	15 60	18 00
Each,	90	1 00	1 15	1 30	1 50



PEERLESS WATER PITCHERS.

Nos.	12	13	14
Quarts,	2	3	4
Per dozen,	\$12 00	15 00	18 00
Each,	1 00	1 25	1 50

GRANITE IRONWARE.



PEERLESS PITCHERS AND BOWLS.

Nos.	10	20
Per dozen,	\$24 00	30 00
Each,	2 00	2 50



PEERLESS PITCHERS.

Nos.	10	20
Per dozen,	\$15 00	18 00
Each,	1 25	1 50



PITCHERS AND BOWLS.

Nos.	1	2
Per dozen,	\$24 00	30 00
Each,	2 00	2 50



WASH WATER PITCHERS.

Nos.	1	2
Per dozen,	\$15 00	18 00
Each,	1 25	1 50

GRANITE IRONWARE

1033

MILK AND WATER PITCHERS.



Quarts,	2	3	4
Per dozen,	\$9 60	12 00	15 00
Each,	80	1 00	1 25

BEER PITCHERS.



WITH RETINNED COVERS.

Quarts,	2	3
Per dozen,	\$9 60	12 00
Each,	80	1 00

DINNER PLATES.



Inches,	7	8
Per dozen,	\$1 92	2 16
Each,	16	18

Inches,	9	10
Per dozen,	\$2 40	3 00
Each,	20	25

OVAL SHIRRED EGG PLATES.



Nos.	1	2
Inches,	6x4½x1	6½x4¾x1¼
Per dozen,	\$1 80	2 40
Each,	15	20

Nos.	3	4
Inches,	8x6x1½	8¾x7x1½
Per dozen,	\$3 00	3 60
Each,	25	30

LETTERED PLATES.



Inches,	6¼
Per dozen.....	\$1 80
Each.....	15

PIE PLATES.



Inches,	7	8
Per dozen,	\$1 92	2 16
Each,	16	18

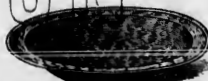
Inches,	9	10
Per dozen,	\$2 40	3 00
Each,	20	25

SQUARE PIE PLATES.



Full Sheet.	10x14
Per dozen.....	\$6 00
Each.....	50

SOUP PLATES.



Inches,	9x1¼
Per dozen.....	\$3 60
Each.....	30

GRANITE IRONWARE.

PATENT COVERED "WINDSOR" SAUCE POTS.

WITH RETINNED COVERS.



Nos.	112	114	116	118	120
Quarts,	1	1½	2	2½	3½
Inches,	5½x3	6½x3½	7½x3½	8x4	8½x4
Per dozen,	\$5 40	6 60	7 80	9 00	10 20
Each,	45	55	65	75	85

Nos.	122	124	126	128	130
Quarts,	4½	5½	6½	8	10
Inches,	9½x4	10x4½	10½x5	11½x5½	12½x5½
Per dozen,	\$11 40	12x60	14 40	16 20	18 00
Each,	95	1 05	1 20	1 35	1 50

BEADED STRONG SAUCE POTS.



Nos.	18	20	22	24
Quarts,	2½	3½	4½	5½
Inches,	7¼x3¾	8½x4½	9¼x4¾	10x5
Per dozen,	\$7 80	9 00	10 20	11 40
Each,	65	75	85	95

Nos.	26	28	30
Quarts,	6½	8	10
Inches,	10½x5½	11½x5½	12x6
Per dozen,	\$12 60	15 00	17 40
Each,	1 05	1 25	1 45

EXTRA STRONG STRAIGHT SAUCE POTS.



Nos.	16	18	20	22	24
Quarts,	2	2½	3½	4½	5½
Inches,	6¾x3¾	7¾x4	8½x4½	9¼x4¾	10x5
Per dozen,	\$8 40	9 60	10 80	12 60	14 40
Each,	70	80	90	1 05	1 20

Nos.	26	28	30	32	36
Quarts,	6½	8	10	12	14
Inches,	10½x5½	11½x5½	12x6	13x6½	14x6½
Per dozen,	\$16 20	18 00	21 00	24 00	30 00
Each,	1 35	1 50	1 75	2 00	2 50

COVERED SEAMLESS CONVEX SAUCE POTS.

WITH RETINNED COVERS.



Nos.	16	18	20	22
Quarts,	1	2	4	5
Inches,	6x3	7x3½	8x4½	9x5
Per dozen,	\$7 20	9 60	12 00	14 40
Each,	60	80	1 00	1 20

Nos.	24	312	314	318
Quarts,	7	12	14	18
Inches,	10¼x6	11¼x8	12¼x8½	13½x9½
Per dozen,	\$16 80	30 00	33 00	36 00
Each,	1 40	2 50	2 75	3 00

GRANITE IRONWARE.

1935



HANDLED SEAMED STRAIGHT POTS.

Nos.	8	10	12	14	16	18
Quarts,	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$\frac{3}{4}$	$\frac{4}{5}$
Inches,	$3\frac{1}{2} \times 3\frac{1}{2}$	$4\frac{1}{4} \times 4$	$5\frac{1}{4} \times 4\frac{1}{2}$	$5\frac{3}{4} \times 5$	$6\frac{1}{4} \times 5\frac{1}{4}$	$7\frac{1}{4} \times 6$
Per dozen,	\$3 00	3 60	4 20	5 40	6 60	8 40
Each,	25	30	35	45	55	70

Nos.	20	22	24	26	28	30	32
Quarts,	6	8	10	12	16	18	24
Inches,	$8\frac{1}{4} \times 6\frac{1}{2}$	$9\frac{1}{4} \times 6\frac{3}{4}$	$9\frac{3}{4} \times 7\frac{1}{4}$	$10\frac{1}{4} \times 8\frac{1}{2}$	$11\frac{1}{4} \times 9\frac{1}{4}$	$12\frac{3}{8} \times 10$	$13\frac{1}{4} \times 10\frac{3}{4}$
Per dozen,	\$9 60	12 00	14 40	16 80	19 20	21 60	24 00
Each,	80	1 00	1 20	1 40	1 60	1 80	2 00



COVERED STOVE POTS.

PIT BOTTOM.

Nos.	6	7	8	9
Quarts,	6	9	14	18
Inches,	$8 \times 7\frac{1}{2}$	$8\frac{3}{4} \times 8$	$10 \times 8\frac{3}{4}$	$10\frac{1}{2} \times 9\frac{1}{2}$
Per dozen,	\$19 20	21 60	24 00	30 00
Each,	1 60	1 80	2 00	2 50



COVERED STOVE POTS.

FLAT BOTTOM.

Nos.	60	70	80	90
Quarts,	6	9	14	18
Inches,	$8 \times 7\frac{1}{2}$	$8\frac{3}{4} \times 8$	$10 \times 8\frac{3}{4}$	$10\frac{1}{2} \times 9\frac{1}{2}$
Per dozen,	\$19 20	21 60	24 00	30 00
Each,	1 60	1 80	2 00	2 50



LONDON

BREAD RAISERS

Quarts,	10	14	17	21
Inches,	$15\frac{1}{4} \times 7\frac{1}{2}$	$16\frac{1}{4} \times 7\frac{3}{4}$	$17\frac{3}{4} \times 8\frac{1}{4}$	$19\frac{1}{2} \times 8\frac{1}{2}$
Each,	\$3 25	3 75	4 25	4 75

GRANITE IRONWARE.

SAUCERS.



Nos.
Inches,
Per dozen,
Each,

1
5 1/4 x 3 1/4
\$2 16
18

1 1/2
6 1/4 x 3 1/4
2 40
20

2
6 3/4 x 1
2 64
22

Nos.
Inches,
Per dozen,
Each,

1
3 x 5
\$1 80
15

2
4 1/4 x 6 1/4
2 40
20



THUMB SCOOPS.

GROCERS' SCOOPS.



Nos.
Inches,
Per dozen,
Each,

3
5 1/4 x 7 1/4
\$5 40
45

4
5 1/4 x 9
6 00
50

5
7 x 11
7 20
60

Nos.
Inches,
Per dozen,
Each,

30
5 1/4 x 7 1/4
\$7 20
60

40
5 1/4 x 9
8 40
70

50
7 x 11
10 80
90

COVERED GROCERS' SCOOPS.



FLAT SKIMMERS, FLAT HANDLE.



Nos.

Inches,

Per dozen,

Each,

9

4

\$2 16

18

10

4 1/2

2 40

20

11

4 3/4

2 64

22

12

5

2 88

24

14

5 1/4

3 36

28

15

6 1/4

3 60

30

STOVE SKILLETS.



Nos.
Inches,
Per dozen,
Each,

6
9 x 1 1/4
\$6 00
50

7
9 3/4 x 1 3/4
6 60
55

8
10 1/4 x 2
7 80
65

9
11 3/4 x 2
9 00
75

SPITTOONS, OCTAGON SHAPE.



No.

Inches.....

Per dozen.....

Each.....

1

10 1/4 x 2 3/4

\$11 40

95

GRANITE IRONWARE.

1037

SPITTOONS.



No.

Inches,
Per dozen,
Each,

10 2

$3\frac{1}{2} \times 10$
\$10 80
90



SPITTOONS.

No.

Inches,
Per dozen,
Each,

3

$8 \times 2\frac{1}{2}$
\$7 80
65

BASTING SPOONS.



Inches,

Per dozen,

Each,

10

\$1 68

12

1 92

14

2 16

16

2 40

18

3 00

14 16 18 20 25



OYSTER STANDS.

Per dozen,
Each,

\$18 00
1 50



FLOUR, SUGAR or LARD STANDS.

Nos.

1

2

3

Gallons,

3

6

10

Pounds,

15

25

50

Dozen, \$18 00 27 00 36 00

Each, 1 50 2 25 3 00



SEAMLESS TEA STEEPER.

No.

1

Pints,

$1\frac{1}{2}$

Inches,

$4\frac{1}{2} \times 3\frac{1}{2}$

Per dozen,

\$7 20

Each,

60

TORUTMAS.

ARMY DRINKING CUPS.



No.

25

Inches,
Per dozen,
Each,

$4\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$
\$3 00
25



BREAD TRAYS.

No.

11

21

Inches,

13×6

15×8

Per dozen,

\$7 80

9 60

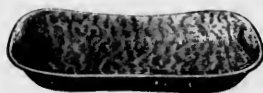
Each,

65

80

GRANITE IRONWARE.

OBLONG BREAD TRAYS.



No.
Inches,
Per dozen,
Each,

1
12 1/2 x 9
\$6 60
55

CHILD'S TRAY.



No.
Inches,
Per dozen,
Each,

15
12 x 16
\$10 80
90

OBLONG TRAYS.



Inches,
Per dozen,
Each,

13
\$6 00
50

15
7 80
65

18
9 60
80

OVAL TRAYS.



Inches,
Per dozen,
Each,

10 1/2
\$4 80
40

12
6 00
50

14
7 20
60

16
9 60
80

Inches,
Per dozen,
Each,

18
\$12 00
1 00

20
14 40
1 20

22
18 00
1 50

24
24 00
2 00

ROUND TRAYS.



Inches, 10 12
Per dozen, \$3 60 5 40
Each, 30 45

TUMBLERS.



Inches, 3 1/2 x 4 1/2
Per dozen, \$3 00
Each, 25

OVAL SOUP TUREENS.

Wood Handles.



Nos. 20 30 40
Quarts, 4 6 8
Doz., \$30 00 39 00 48 00
Each, 2 50 3 25 4 00

Nos. 50 60
Quarts, 10 13
Per dozen, \$57 00 72 00
Each, 4 75 6 00

OVAL SOUP TUREENS.



With Foot and Wood
Handles.

No. 120
Quarts, 4
Per dozen, \$36 00
Each, 3 00

GRANITE TOILETWARE.

1039

"WINDSOR" WATER CARRIERS.

WATER CARRIERS.



No. 1
Each.....\$2 25



No. 2
Each.....\$3 50

"WINDSOR" SLOP JARS.

SLOP JARS.



No. 1
Each.....\$2 25



No. 2
Each.....\$3 50

FOOT TUBS.

"WINDSOR" FOOT TUBS.



No. 1
Each.....\$2 00
No. 1 Set, complete.....\$6 50



SEAMLESS.

No. 2
Each.....\$3 00

"Windsor" Set, No. 2, complete, \$10 00

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TINWARE, GALVANIZED IRONWARE

AND

COPPERWARE.

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STAMPED TINWARE.

1045



DISH PANS.

Quarts.	10	14	17	21
Inches,	15 1/4 x 5 1/4	17 x 5 1/4	18 1/4 x 6	20 1/4 x 6 1/4
IC Plain, per doz.,	\$7 65	9 00	11 25	13 50
IC Retinned, per doz.,	9 75	11 25	13 50	16 50
IX " "	11 25	13 50	16 50	19 00
IXX " "	15 90	18 60	22 05	25 00



KNEADING PANS.

RETINNED.

Quarts,	17
Inches,...	17 x 6 1/2
With Covers, per dozen	\$40 00



SAUCE PANS.

LIPPED.

Nos.	12	14	16	18	20
Inches,	6 x 2 1/2	6 1/2 x 3 1/2	7 x 3 1/2	8 x 3 1/2	8 1/2 x 4
Quarts,	1	1 1/2	2	2 1/2	3 1/2
Retinned, per dozen,	\$3 15	3 70	4 40	5 15	6 00

Nos.	22	24	26	28
Inches,	8 3/4 x 4 1/4	10 x 4 1/4	11 x 5	11 1/4 x 5 1/4
Quarts,	4 1/2	5 1/2	6 1/2	8
Retinned, per dozen,	\$7 00	7 85	9 00	10 00



PRESERVING KETTLES.

LIPPED, WITH BACK HANDLES.

Nos.	16	18	20	22
Inches,	7 x 3 1/2	8 x 3 1/2	8 1/2 x 4	8 3/4 x 4 1/4
Quarts,	2	2 1/2	3 1/2	4 1/2
Retinned, per dozen,	\$5 30	5 70	6 20	7 25

Nos.	24	26	28
Inches,	10 x 4 1/4	11 x 5	11 1/4 x 5 1/4
Quarts,	5 1/2	6 1/2	8
Retinned, per dozen,	\$8 20	9 60	11 25

STAMPED TINWARE.

MILK PANS, IO.



Quarts,	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	3
Inches,	$6\frac{1}{2} \times 1\frac{1}{2}$	$7 \times 1\frac{1}{2}$	$7\frac{1}{2} \times 1\frac{1}{2}$	$8\frac{1}{2} \times 2$	$9\frac{1}{2} \times 2\frac{1}{2}$
Plain, per dozen,	\$1 15	1 45	1 70	1 95	2 20
Retinned, per dozen,	1 65	2 00	2 35	2 75	3 20

Quarts,	4	6	8	10
Inches,	$10\frac{1}{2} \times 2\frac{1}{2}$	$12\frac{1}{2} \times 2\frac{1}{2}$	$13\frac{1}{2} \times 3$	$14 \times 3\frac{1}{2}$
Plain, per dozen,	\$2 90	3 30	4 20	4 50
Retinned, per dozen,	4 25	5 40	6 30	7 40

MILK PANS, IX.



Quarts,	4	6	8	10
Inches,	$10\frac{1}{2} \times 2\frac{1}{2}$	$12\frac{1}{2} \times 2\frac{1}{2}$	$13\frac{1}{2} \times 3$	$14 \times 3\frac{1}{2}$
Plain, per dozen,	\$3 90	5 40	6 45	7 20
Retinned, per dozen,	5 25	7 00	8 50	10 00

PUDDING PANS.

EXTRA DEEP.



Quarts,	1	$1\frac{1}{2}$	2	3	4	6	8	10
Inches,	$7\frac{1}{2} \times 2\frac{1}{2}$	$7\frac{1}{2} \times 2\frac{3}{4}$	$8\frac{1}{2} \times 2\frac{3}{4}$	$9\frac{1}{2} \times 3\frac{1}{4}$	$10\frac{1}{2} \times 3\frac{1}{4}$	$12 \times 3\frac{1}{4}$	$14 \times 3\frac{1}{2}$	$16 \times 3\frac{3}{4}$
Plain, per dozen,	\$1 95	2 15	2 50	3 00	3 50	4 75	5 00	5 50
Retinned, per dozen,	2 65	3 10	3 60	4 30	5 10	6 75	7 50	8 75
Plain, heavy,	2 35	2 75	3 45	3 90	4 50			
Retinned, heavy,	3 00	3 60	4 50	5 60	5 75			

PUDDING PANS.

OVAL.



Nos.	1	2	3	4
Inches,	$8 \times 10\frac{1}{2} \times 2$	$9 \times 11\frac{1}{2} \times 2\frac{1}{2}$	$9\frac{1}{2} \times 12\frac{1}{2} \times 2\frac{1}{4}$	$10\frac{1}{2} \times 13\frac{1}{2} \times 2\frac{1}{2}$
Retinned, per dozen,	\$5 75	6 75	8 00	10 00

WASH BOWLS.

FLAT BOTTOM.



Inches,	$11\frac{1}{2}$	$13\frac{1}{2}$
IC Plain, per dozen,	\$2 85	3 75
IC Retinned, per dozen,	4 25	5 50
IX Plain, per dozen,	4 35	5 65
IX Retinned, per dozen,	5 70	7 35

WASH BOWLS.

ROUND BOTTOM, WITH HANDLES AND FEET.



Inches,	$11\frac{1}{2}$
Plain, per dozen.....	\$5 70
Retinned, per dozen.....	7 60

STAMPED TINWARE.

1047



CULLENDERS.

HOBBS

Nos.

306

Inches..... 11 1/2

Retinned, per dozen..... \$7 20



MILK STRAINERS.

No.

23

Inches..... 11 1/2

Retinned, per dozen..... \$7 20



CAKE PANS.

HARDWARE CO. TUBED.

Nos.

31

32

33

34

36

Quarts,

1

2

3

4

6

Inches,

7 x 1 3/4

8 1/2 x 2

9 1/4 x 2 3/8

10 1/4 x 2 1/2

12 3/4 x 2 3/8

Plain, per dozen, \$2 25

3 75

4 50

5 25

6 75

Retinned, " 3 00

4 50

5 55

6 45

8 25



NEW STYLE JELLY MOULDS.

Pints,

1/2

1

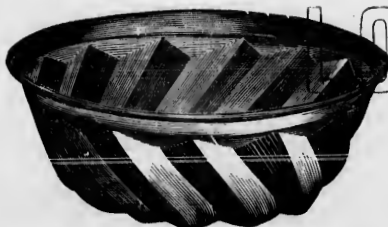
2

Per dozen,

\$2 90

3 30

4 10



LONDON

JELLY MOULDS.

Nos.

2

3

Quarts,

2

4

Inches,

7 1/4 x 3 1/2

8 3/4 x 3 3/8

Retinned, per dozen,

\$6 20

8 50

STAMPED TINWARE.



MELON MOULDS, OVAL.

RETINNED.

Nos.	3	4	5	6	7	8
Pints,	2	3	3½	4	5½	7
Per dozen,	\$25 50	30 60	33 00	35 60	38 00	43 00



JELLY MOULDS, RIMMED.

RETINNED COPPER TOPS.

Pints,	½	1	1½	2	Lion.
Per dozen,	\$12 75	17 00	21 75	26 00	27 50



CAKE MOULDS.

TURK'S HEAD.

Nos	61	62
Quarts,	2	4
Inches,	7¼ x 3¾	8½ x 3¾
Retinned, per dozen,	\$8 50	12 10



PUDDING MOULDS.

Nos.	91	92
Quarts,	2	4
Inches,	7¼ x 3¾	8¼ x 3¾
Retinned, per dozen,	\$12 75	15 75



MILK OR RICE BOILERS.

Nos.	2	3
Quarts (inside boiler)	2	3
Retinned, per dozen,	\$26 50	29 75

STAMPED TINWARE.

1049



OYSTER STEW PANS.

RETINNED.

Nos.	1	2	3	4
Quarts,	2	2½	3	4
Per dozen,	\$6 50	8 50	10 00	12 00



STEW PANS.

SHALLOW.

Quarts,	1½	2	3	4
Inches,	7½ x 1½	8½ x 2	9½ x 2½	10½ x 2½
Plain, per dozen,	\$2 25	2 70	3 15	4 05
Retinned, per dozen,	3 15	3 80	4 50	5 70



STEW PANS.

DEEP.

Quarts,	1½	2	3	4
Inches,	7½ x 2½	8½ x 2½	9½ x 3½	10½ x 3
Plain, per dozen,	\$2 70	3 15	3 60	4 30
Retinned, per dozen,	3 80	4 50	5 20	6 10



TEA KETTLES.

Nos.	31	32	33
Quarts,	2	4	6
Retinned, per dozen,	\$22 50	27 75	31 25



TEA KETTLES.

Nos.	16	18	20	22	24
Quarts,	1½	2½	3	4	5
Retinned, per dozen,	\$23 50	27 75	32 00	35 00	38 25

STAMPED TINWARE.



CORRUGATED FUNNELS.

Nos.	1	2	3	4
Quarts,	$\frac{1}{4}$	$\frac{1}{2}$	1	2
Per dozen,	\$2 50	3 00	3 75	5 75



GROCERS' SCOOPS.

Nos.	2	3	4
Inches,	$6\frac{1}{4} \times 4\frac{1}{4}$	$8 \times 5\frac{1}{4}$	$10 \times 6\frac{1}{2}$
Retinned, per dozen,	\$5 50	6 35	7 65



GROCERS' SCOOPS.

COVERED.

Nos.	20	30	40
Inches,	$6\frac{1}{4} \times 4\frac{1}{4}$	$8 \times 5\frac{1}{4}$	$10 \times 6\frac{1}{2}$
Retinned, per dozen,	\$8 00	9 55	11 70



THUMB SCOOPS.

Nos.	12	14
Inches,	5×3	$6 \times 3\frac{1}{4}$
Retinned, per dozen,	\$2 10	2 55



TEA SCOOPS.

Nos.	13	15
Inches,	$2\frac{3}{4} \times 5\frac{1}{4}$	$3\frac{1}{4} \times 6$
Retinned, per dozen,	\$2 55	3 00



DIPPER BOWLS.

Nos.	1	2	4	5
Inches,	$4\frac{1}{4} \times 2$	$4\frac{3}{4} \times 2\frac{1}{2}$	$5\frac{1}{4} \times 2\frac{1}{2}$	$5\frac{3}{4} \times 2\frac{3}{4}$
Pints,	$\frac{3}{4}$	1	1	2
Quarts,				
Plain, per dozen,	\$0 75	1 00	1 35	2 05
Retinned, per dozen,	1 05	1 45	1 80	2 75



DIPPER HANDLES.

Quarts,	1	2
Per dozen,	\$0 95	1 10

STAMPED TINWARE.

1051



HOBBS

DIPPERS.

Nos.	1	2	4	5
Pins,	$\frac{3}{4}$	1 qt.	1	2
Inches,	$4\frac{1}{4} \times 2$	$4\frac{3}{4} \times 2\frac{1}{2}$	$5\frac{3}{4} \times 2\frac{1}{2}$	$5\frac{1}{4} \times 2\frac{3}{4}$
Plain per doz.,	\$1 45	1 80	2 25	3 15
Retinned, doz.,	1 75	2 70	2 90	4 00



CUP DIPPERS.

FORGED HANDLE.

No.	9
Inches.....	$4\frac{1}{4} \times 2$
Retinned, per dozen.....	\$2 15



CUP DIPPERS.

WOOD HANDLE.

No.	123
Inches.....	$4\frac{1}{4} \times 2$
Retinned, per dozen.....	\$4 25

HARDWARE



LADLES.

FLAT HANDLE.

Nos.	10	11
Inches.....	4	$4\frac{1}{2}$
Retinned, per dozen.....	\$2 60	\$3 15



LADLES.

BRITANNIA SHAPED.

Nos.	29	30
Inches.....	$3\frac{3}{4}$	4
Retinned, per dozen.....	\$3 15	3 35

LONDON



LADLES.

FLAT HANDLE.

No.	1
Inches.....	4
Retinned, per dozen.....	\$1 70

STAMPED TINWARE.



PUMP LADLES.

Inches,	4	4½	5
Per dozen.....	\$1 10	1 25	1 40



LADLE.

WOOD HANDLE.

No.	240
Inches.....	4
Retinned, per dozen.....	\$2 66



LAUNDRY DIPPER.

No.	20
Quarts.....	3
Inches.....	8½x4
Retinned, per dozen.....	\$8 50



SKIMMERS.

FLAT HANDLED.

Nos.	12	13
Inches.....	5	5¾
Retinned, per dozen.....	\$2 68	3 06



SKIMMERS.

WOOD HANDLE.

Nos.	24	25
Inches.....	5	5¾
Retinned, per dozen.....	\$3 80	4 20



CAKE TURNER.

FLAT HANDLE.

Nos.	13	14
Inches.....	3½x2½	3½x3
Retinned, per dozen.....	\$1 80	2 10



CAKE TURNER.

WOOD HANDLE

Nos.	17	18
Inches.....	3½x2½	3½x3
Retinned, per dozen.....	\$3 05	3 45

STAMPED TINWARE.

1053



DRINKING CUPS.

Nos.
Pints,
Inches,
Retinned, per dozen,

09
 $\frac{1}{4}$
 $4\frac{3}{4} \times 2$
\$1 86

010
1
 $4\frac{3}{4} \times 2\frac{1}{4}$
2 16



O. K. GRATERS.

Nos.
Per dozen,

1
\$1 95

2
2 70



VICTOR GRATERS.

EXTRA HEAVY.

Per dozen..... \$4 20



CALIFORNIA CUPS.

Nos.
Inches,
Retinned, per dozen,

9
 $4\frac{3}{4} \times 2$
\$1 90

10
 $4\frac{3}{4} \times 2\frac{1}{4}$
2 20



HANGING SOAP DISHES.

No.
Inches.....
Retinned, per dozen

10
5
\$2 55



SHALLOW MUFFIN PANS.

RETINNED.

Cups,
Per dozen Frames,

8
\$9 00

12
12 50

STAMPED TINWARE.

MUFFIN PANS.



DEEP, RETINNED.

Cups,	6	9
Per dozen Frames.....	\$9 00	12 50

MUFFIN PANS.



TURK'S HEAD.

Cups,	4	6	8	9
Plain, per dozen Frames,	\$4 95	6 25	7 60	9 00
Retinned, per dozen frames,	8 00	9 80	11 40	13 35

SHEET PATTY PANS.



SIX ON SHEET.

Per dozen sheets.....	2 30
-----------------------	------

GRAVY STRAINERS.



Nos.	2	3
Inches.....	4 1/2 x 1 1/2	5 1/4 x 2
Plain, per dozen	\$1 80	2 25

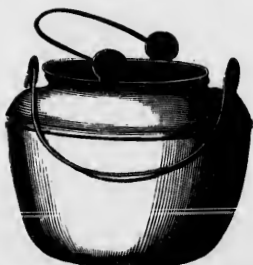
GRAVY STRAINERS.



WOOD HANDLE.

No.	4
Inches	4 1/4 x 2
Retinned, per dozen	\$3 80

GLUE KETTLES.



RETINNED.

Nos.	10	14	18
Pints.....	1/2	1 1/2	3
Per dozen.....	\$13 85	21 55	25 50

STAMPED TINWARE.

1055



DAIRY PAILS.

Quarts,
Inches,
Per dozen,

RETINNED.

12
10 1/2
\$9 00

16
12
10 50



SAUCEPAN COVERS.

RETINNED.

Nos.
Per dozen,

12
\$1 90

14
2 28

16
2 65

18
2 85

20
3 25

22
3 60

24
4 00



PIE PLATES.

Inches,
Per gross,

6
\$8 70

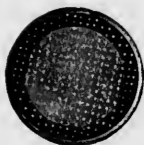
7
10 50

8
12 30

9
14 55

10
19 20

11
23 85



PIE PLATES.

PERFORATED.

Inches,
Per gross,

9
\$19 00

10
28 00



DINNER PLATES.

Inches,
Per gross,

9
\$14 55

10
19 20



SOUP PLATES.

Inches,
Per gross,

7
\$10 50

8
12 30

9
14 55

10
19 20



GEM PLATES.

Inches,
Per gross,

7
\$10 25

8
15 50

9
17 00

10
19 75

STAMPED TINWARE.

JELLY CAKE PLATES.



SHALLOW.

Inches, 8 9 10
Per gross, \$12 30 14 55 19 20

JELLY CAKE PLATES.



DEEP.

Inches, 9 10
Plain, per gross, \$22 00 26 50
Retinned, per gross, 33 00 40 00

SHANTY PLATES.



Inches, 9 1/2
Per gross, \$22 85

A B C PLATES.



Inches, 6 3/4
Per gross, \$9 00



CAKE PANS.

SCOLLOPED.

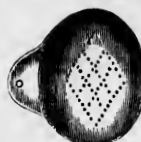
Inches, 6 8 10
Per dozen, \$1 40 1 75 2 40



CAKE PANS.

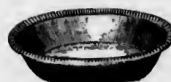
SCOLLOPED, WITH TUBES.

Inches, 6 8 10
Per dozen, \$1 65 2 00 2 75



MILK SKIMMERS.

Inches, 6x6
Per dozen, \$0 96



BEADED SAUCERS.

Inches, 5 6 7 8
Per gross, \$8 00 9 25 13 00 13 50



PATTY PANS.

PLAIN AND CRINKLED.

Inches, 3 3 1/2 4
Per gross, \$1 95 2 55 4 65



PATTY PANS.

WASHINGTON SCOLLOPED.

Inches, 3 3 1/2 4
Per gross, \$1 95 2 55 4 65



PATTY PANS.

OVAL SCOLLOPED.

Inches, 4
Per gross, \$2 70



PATTY PANS.

STAR.

Inches, 3 1/2
Per gross, \$2 85



PATTY PANS.

HEART.

Inches, 3 1/2
Per gross, \$2 85



PATTY PANS.

NEW SHELL.

Inches, 2 1/2 3 3 1/2
Per gross, \$1 35 1 65 2 10

TINNERS' TRIMMINGS.

1057



BOILER COVERS.

OVAL RIMMED.

Nos.	8	9
Plain, per dozen,	\$6 60	8 25
Retinned, per dozen,	8 85	10 50



BOILER COVERS.

FLAT EDGE.

Nos.	8	9	10
Plain, per dozen,	\$6 30	8 10	9 60
Retinned, per dozen,	8 55	10 35	11 85

BUCKET COVERS.



Quarts,	1	2	3	4
Inches,	5½	6¾	6¾	7½
Per dozen,	\$0 48	0 66	0 75	1 05

Quarts,	6	8	10	12
Inches,	8¾	9¾	9¾	10½
Per dozen,	\$1 26	1 50	1 65	1 80

RINGED POT COVERS.

EDGES HEMMED.



Inches,	9¼	9¼	9¼	10	10¼	10¼	10¾
Per dozen,	\$1 52	1 52	1 63	1 63	1 70	1 70	1 80

Inches,	11	11¼	11¼	11¼	12	13
Per dozen,	\$1 88	1 98	2 10	2 19	2 28	2 63

TEA KETTLE BREASTS AND COVERS.



Nos.	7	8	9	10
Inches,	9½	10	11	12
Plain, per dozen,	\$2 55	3 00	3 36	3 90
Retinned, per dozen,	3 90	4 50	5 10	5 85

RIMMED TEA KETTLE COVERS.



Inches,	4½
Plain, per dozen,	\$1 00
Retinned, per dozen,	1 95

THE ABOVE ARE SUBJECT TO SAME DISCOUNT AS OTHER STAMPED WARE.

TINNERS' TRIMMINGS.

STEAMER BOTTOMS.



Nos.
Per dozen,

7
\$1 80

8
2 00

9
2 30

10
2 52



CHAMBER PAIL TRIMMINGS.

COMPLETE.

Nos.

2

3

Quarts,
Sets, per dozen,

12
\$4 89

16
5 70



TOILET JAR TRIMMINGS.

BREASTS, COVERS, CAPS,
BOTTOMS.

No.

2

Quarts..... 12
Sets, per dozen..... \$6 30

RIMMED PAIL COVERS.



Quarts,

Inch,
Plain, per dozen,
Retinned, per dozen,

1

4½
\$1 00
1 95

2

6
1 10
....

4

7½
1 35
....

RIMMED COFFEE POT COVERS, PLAIN.



Inches,
Per dozen,

4¼
45c.

5¼
55c.



DUST PAN BLANKS.

IX.

Per dozen..... \$3 60

GRATER BLANKS.



Sheets,
Per dozen,

¼

\$0 75

½

1 15

1

2 10

FUNNEL TUBES.



Nos.

Per gross,

1

\$1 50

2

2 10

3

2 55

4

3 30

5

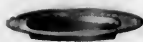
3 75

THE ABOVE ARE SUBJECT TO SAME DISCOUNT AS OTHER STAMPED WARE.

TINNERS' TRIMMINGS.

1039

TIN TEA KETTLE BOTIOMS.



Nos.	6	7	8	9	10
Per dozen,	75c.	80c.	95c.	\$1 05	1 20

TEA POT BREAST AND COVERS.

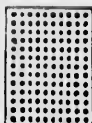
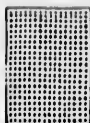
ROUND.

Spun Hinged and Hooped.



Nos.	172	173	174	175	176
Pints,	2	3	4	5	6
Per dozen,	\$1 00	1 10	1 20	1 30	1 50

PERFORATED TIN.



Fine,	10x14	Per doz.
Medium,	"	\$2 00
Coarse,	"	2 00
Fine,	14x20	4 00
Medium,	"	4 00
Coarse,	"	4 00

TEA POT BREASTS AND COVERS.

OVAL HINGED.



Nos.	112	113	114	115	116
Pints,	2	3	4	5	6
Per dozen, \$	1 00	1 10	1 20	1 30	1 50

TEA KETTLE SPOUTS.



NO. 4 BENT.
Retinned, per dozen



BUFFALO TEA KETTLE SPOUTS.

Per dozen

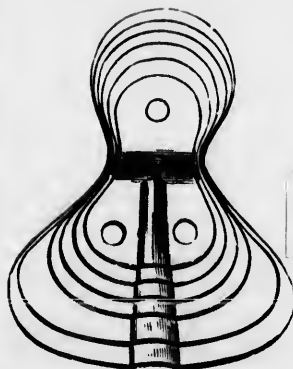
TEA POT SPOUTS.

FLUTED.



Nos.	1	2	3
Retinned, per dozen,	55c.	65c.	75c.

KETTLE EARS.



Nos.	1	2	3	4
Black, per gross, pairs,	\$0.75	0.90	1 28	1 36
Tinned " " " "	90	1 00	1 40	1 68
Nos.	5	6	7	8
Black, per gross, pairs,	\$1 64	2 10	3 00	4 10
Tinned, " " " "	1 96	2 56	3 45	4 96

TINNERS' TRIMMINGS.



BENT TEA KETTLE EARS.

TINNED.

Per gross pairs\$3 00

MALLEABLE EARS.



Nos.
Per pound,

1
26c.

2
26c.

3
26c.



TIN TEA KETTLE HANDLES AND EARS.

SMALL.

Small, per dozen.....\$1 00

LARGE.

Large, per dozen..... 1 10

TIN TEA POT HANDLES.



Nos.
Per dozen,

030
\$0 80

040
1 00

PATENT TEA POT HANDLES.



Nos.
Bright, per dozen,
Black, per dozen,

30
\$1 00
1 10

40
1 10
1 20

IRON TEA POT HANDLES.

Nos.
Per dozen,

1
\$1 90

2
2 10

3
2 30

TINNERS' TRIMMINGS.

1061

TEA POT HINGES.

DOUBLE SHANK.

Inches,	
Tin, per gross.....	$\frac{3}{4}$ \$1 00
Brass ".....	1 50



TEA POT KNOBS.

TIN.

Nos.	1	2	3
Per gross,	70c.	80c.	90c.

STAR KNOBS.



Nos.	1	2
Bright, per gross.....	\$1 80	1 60
Black, ".....	1 90	1 60



ENAMELED WOOD KNOBS.

Nos.	SMALL.	LARGE.
Per gross,	5 \$1 00	10 1 20

TIN OIL CAN SCREWS.



Inches,	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Per gross.....	\$1 50	1 80	2 30	3 20
Inches,		$1\frac{1}{2}$		$1\frac{3}{4}$
Per gross.....		\$3 80		4 40

FRENCH SAUCE PAN HANDLES.

RETINNED.



Nos.	1	2	3	4	5	6	7
Inches,	$5\frac{1}{2}$	$6\frac{1}{2}$	$7\frac{1}{2}$	$8\frac{1}{2}$	$9\frac{1}{2}$	$10\frac{1}{2}$	$11\frac{1}{2}$
Per dozen,	36c.	42c.	48c.	70c.	80c.	90c.	\$1 00

OIL CAN SPOUTS.

Nos.	6	7	8
Per gross,	\$1 76	1 00	70c.

WOOD PAIL HANDLES.

BOXES OF 500.



Per box.....	\$2 00
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ENAMELED.



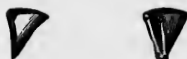
Nos. 1 to 5.....	Per 100, \$1 00
No. 6.....	" 1 40

WIRE RINGS AND CLIPS.



Inches,	$\frac{3}{4}$	$\frac{5}{8}$	$\frac{3}{4}$
Coppered, per gross.....	50c.	56c.	60c.
Inches,	$\frac{7}{8}$	1	
Coppered, per gross.....	66c.	76c.	
Inches,	$1\frac{1}{4}$	$1\frac{1}{2}$	
Coppered, per gross.....	84c.	\$1 10	

TINNERS' TRIMMINGS.



COFFEE POT LIPS.

Per gross.....\$1 20



MILK CAN FIXTURES.

COMPLETE SETS, WITH FLAP TOP HOOPS, AND NEW PATTERN
RETINNED COVERS.

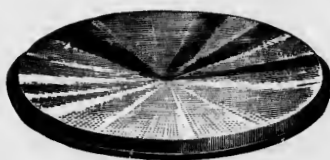
15 Gallons, per set	\$1 90
20 " "	2 50
25 " "	2 75
30 " "	3 05
40 " "	4 30



IMPROVED CREAMERY PAIL TRIMMINGS.

COMPRISING COVERS, BOTTOMS, EARS AND GAUGES, WITH GLASSES.
WITH LOCKING ATTACHMENT ON COVER.

Per set.....\$0 75



NEW STYLE DAIRY PAIL BOTTOM.

RETINNED.

Inches,	9 $\frac{1}{4}$	11
Per dozen,	\$1 60	2 15

DAIRY PAIL BOTTOMS.

RETINNED.

Inches,	9 $\frac{1}{4}$	10 $\frac{1}{4}$
XXXX, per dozen,	\$1 75	2 25



SPEAKING TUBE TRIMMINGS

SOLDER.

Whistles, per dozen	\$4 25	
Elbows, 1 inch, per dozen	0 50	
Pipe, 1 inch, per 100 feet	4 50	Solder, half-and half, per lb

TINNERS' TRIMMINGS.

1063



SPRINKLER, ROSES.

ZINC.

Nos.	00	0	1	2	3	4
Per dozen,	\$1 40	1 60	2 00	2 40	2 80	3 80
Nos.			1	2	3	
Per dozen,			50c.	60c.	80c.	



DISH PAN HANDLES.

Per pound \$0.20



TEA KETTLE BOTTOMS.

Copper—Plain or Corrugated—Round or Square Flange.

Nos.	7	8	9	10

At Market Price.



PATENT TEA KETTLE BOTTOMS.

COPPER.

Nos.	7	8	9	10

At Market Price.

BOILER BOTTOMS.

COPPER, OVAL—PLAIN OR CORRUGATED.

Nos.	7	8	9	10

At Market Price.

PATENT BOILER BOTTOMS.

COPPER, OVAL.

Nos.	8	9	10

At Market Price.



TEA KETTLE TRIMMINGS.

COPPER.

Including Handle and Ears, Spout, Breast and Cover.

Nos.	7	8	9	10
Per dozen.....	\$21 80	22 40	23 50	24 50

PIECED TINWARE.



FLARING TEA POTS.

PLAIN SPOUTS.

Nos.	040	050
Pints,	4	5
Per dozen,	\$3 32	3 88



OCTAGON TEA POTS.

BOWL BOTTOMS—PLAIN SPOUTS.

Nos.	20	30	40	50	60
Pints,	2	3	4	5	6
Per dozen,	\$2 80	3 30	3 95	4 20	4 95



SHANTY OR HOTEL TEA POTS.

Gallons,	2	3
Per dozen,	\$14 66	\$17 76

PIECED TINWARE.

1065

PEERLESS TEA POTS.



Pints.	4	5
Per dozen,	\$3 88	4 45

TEA POTS.

SPUN BREAST, RIM COVER.

Pints,	3	4	5
Per dozen,	\$5 00	5 55	6 10

PEERLESS TEA POTS.



COPPER BOTTOMS.

Pints,	4	5
IX, per dozen,	\$6 66	8 00



TEA POTS.

HINGED COVER, BLACK HANDLE, BENT SPOUT.

Pints,	3	4	5
Per dozen,	\$6 10	6 66	7 22

BOSS TEA POTS.



Pints,	5	6
Per dozen,	\$6 22	7 55

COFFEE POTS—LIPS OR SPOUTS.



Quarts,	3	4
IC, per dozen,	\$3 32	3 88
IC, Charcoal, per dozen,	3 55	4 10
IX, Charcoal, per dozen,	3 88	4 45



Pints,	4	5
Per dozen,	\$3 32	3 88

PEERLESS COFFEE POTS.



Pints,	4	5
Per dozen,	\$3 88	4 44

BOSS COFFEE POTS.



Pints,	5	6
Per dozen,	\$6 22	7 55

MINERS' COFFEE POTS.



Quarts,	3	4	6
Per dozen,	\$6 00	6 50	7 25

LONDON

LIP AND BODY IN ONE PIECE.

PIECED TINWARE.



PLANISHED ROUND COFFEE BIGGINS.

Pints.	2	3	4	5	6
Each,	\$1 50	1 70	1 90	2 10	2 30



SETS OF STOVE FURNITURE.

ELEVEN PIECES TO SET.

Nos.	7	8	9	10
Per Set,	\$4 00	4 70	5 15	5 65



STEAMERS.

Nos.	7	8	9	10
Per doz.	\$5 00	5 55	6 10	7 22



TEA KETTLES.

PATENT COPPER PITS—PLANISHED.

Nos.	7	8	9	10
1C, per dozen,	\$9 55	10 55	11 65	12 76
1X, per dozen,	10 76	11 65	12 76	13 88

PIECED TINWARE.

1067



TEA KETTLES.

RETINNED.

Nos.	100	200	300
Quarts,	1½	2	3
Per dozen,	\$8 50	\$9 50	11 00



PLANISHED TEA KETTLES.

SPUN COPPER BOTTOMS IX.

Nos.	8	9
Per dozen,	\$14 44	15 55

Furnished with Bent, Straight, or Chicago Spouts.



OVAL WASH BOILERS.

Nos.	7	8	9	10
Flat Tin Bottom, per dozen,		\$22 66	\$25 32	.....
" Copper Bottom, IX., per dozen,		29 32	32 00	.....
" " IX., " "		30 60	33 25	.....
Pit " " IX., " "	\$29 32	29 32	32 00	\$39 98
Pit " " IX., " "	30 60	30 60	33 25	42 66
Pit " " IXX., " "	.....	35 98	39 08	53 32



OVAL WASH BOILERS.

SPUN COPPER PITS—PLANISHED.

Nos.	8	9
IX. per dozen,	\$35 98	\$38 66
IXX. " "	41 32	46 66



FLARING WATER PAILS.

Quarts,	6	10	14
IX., per dozen,	\$2 04	3 22	3 70
IX. Charcoal, per dozen,	2 32	3 55	4 22
IXX. " "	.....	4 05	5 00
	.....	4 66	5 55

FLARING WATER PAILS, RIMMED.

Quarts,	10	14
IX., per dozen,	\$5 00	6 10
IXX., " "	5 55	6 66

PIECED TINWARE.



COVERED BUCKETS.

Quarts,
1C, per dozen,

1	2	3	4	6	8	10
\$1 48	1 75	2 05	2 76	3 50	4 10	4 66

Quarts,
IX, per dozen,

8	10	12	14	16
\$4 45	5 00	5 76	6 44	7 00



MILK STRAINER PAILS.

Quarts,
IX, per dozen,
IXX, per dozen,

10
\$8 88
10 00

14
11 10
12 22



IMPROVED CREAMERY PAIL.

HEAVY.

WITH PATENT TAP AND BOTTOM.

Inches,
Quarts.....
Per dozen

8 1/2
20
\$26 66

WITHOUT PATENT TAP.

Per dozen..... \$21 32



SAUCE PANS.

Quarts,
Per dozen,

1	2	3	4	6
\$1 48	1 75	2 05	2 76	3 50



CULLENDERS.

Medium, per dozen.....\$2 76
Large, per dozen..... 4 45



MILK STRAINERS.

Gem, per dozen .. \$2 76
Medium, per dozen..... 3 32
Large, per dozen..... 4 44

PIECED TINWARE.

1069



SEMI-CENTENNIAL SETS.

ONE EACH, 6, 10 AND 14 QUART FLARING PAIL, ONE DIPPER, ONE 3 QUART PUDDING PAN.

HOBBS

Per set.....

\$1 05



ROUND DINNER PAILS.

WITH CUP AND PAN.

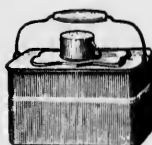
Quarts,	3	4
Per dozen.....	\$3 55	5 00



OVAL DINNER PAILS.

WITH CUP AND PAN.

Per dozen..... \$8 22



OBLONG DINNER PAILS.

Per dozen.....

\$10 55



OBLONG DINNER PAILS.

WITH CUP, TRAY AND FLASK.

Per dozen..... \$11 10

HARDWARE CO.



IMPERIAL MEASURES.

HEAVY TIN AND GOVERNMENT STAMPED.

	$\frac{1}{2}$ pt.	1 pt.	1 qt.	$\frac{1}{2}$ gal.	1 gal.
Per dozen.....	\$3 36	4 44	5 48	8 76	10 28
Per set of five.....				\$2 70	



JEWEL OIL CAN.

LONDON

GALVANIZED, WITH IMPROVED TAP.

Gallons,	5
Per dozen.....	\$22 50

PIECED TINWARE.



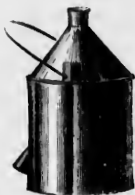
LONG HANDLE DIPPERS.

Quarts,	2
IC., per dozen,	\$1 22
IC., Charcoal, per doz.,	1 45
IX., " " "	1 66



FUNNELS.

Pints,	$\frac{1}{2}$	1	2	4
Per dozen,	44c.	77c.	\$1 10	1 66



ROUND OIL CANS.

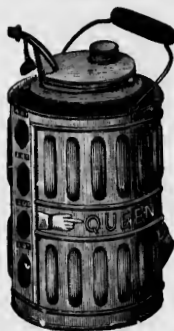
Gallons,		$\frac{1}{2}$	1
Plain, per dozen.....		\$2 35	2 80
Gallons,	2	3	5
Plain, per dozen.....	\$5 15	5 30	8 45
Plain, Wood-Bottom, per dozen.....			10 00



COAL OIL CANS.

FLARING TOP.

Gallons,	$\frac{1}{2}$	1	2	5
IC., per dozen,	\$3 15	3 88	5 00	10 22
IX., per dozen,	3 55	4 44	5 55	10 76



GLASS OIL CANS.

Gallons,	$\frac{1}{2}$	1
Per dozen.....	\$10 00	13 32



MILK PANS.

PIECED.

Quarts,	$\frac{1}{2}$	1 $\frac{1}{2}$	2	4	6	10
IC., per dozen,	\$0 88	1 22	1 32	1 66	1 94	3 32
IX., per dozen,					2 22	3 88

PIECED TINWARE.

1071



DISH PANS.

HOBBS

Quarts,	10	12	14	16	20
Per dozen,	\$3 32	3 38	5 32	5 76	6 22



BREAD PANS.

COVERED.

Quarts,	20
Per dozen.....	\$10 00



GRATERS.

Sheet,	$\frac{1}{4}$	$\frac{1}{2}$	1
Per dozen,	\$0 77	1 10	1 76



HARDWARE CO.

Pints,	$\frac{1}{2}$	1
Per dozen.....	44c.	66c.

Quarts,	1	2	3
Per dozen.....	\$0 85	1 22	1 50



PICNIC MUGS.

IMPROVED.

Iron Handle, per dozen.....	66c.
Tin " " ".....	55c.



EMBOSSED PICNIC MUG.

Per dozen.....	\$1 00
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LONDON

TEA FLASKS.

Pints,	1
Per dozen.....	\$2 00

PIECED TINWARE.

BREAD PANS.



Nos.	7	8	9
Inches,	$9\frac{1}{2} \times 6 \times 2\frac{1}{2}$	$10\frac{1}{2} \times 6\frac{1}{2} \times 3\frac{1}{2}$	$13\frac{1}{2} \times 8\frac{1}{2} \times 3\frac{1}{2}$
Per dozen,	\$1 10	\$1 45	\$1 88

A 1 DRIPPING PANS.



Nos.	1	2	3	4	5
Inches,	$9 \times 11\frac{1}{4}$	$9 \times 14\frac{1}{4}$	$10\frac{1}{2} \times 15\frac{1}{2}$	$12\frac{1}{2} \times 17\frac{1}{2}$	$13\frac{1}{2} \times 19\frac{1}{2}$
Iron, per dozen,	\$1 55	1 66	2 32	3 00	3 32

COMMON SQUARE PIE PANS.



Square, per dozen.....	\$1 10
Oblong, ".....	2 66

TEA STEEPERS.



Nos.	1	2
Per dozen.....	\$1 32	1 76
Hinged, per dozen.....	1 45	

DOUGHNUT CUTTERS.



Inches,	3
Per dozen.....	66c.

COOKEY CUTTERS.



Inches,	3	4
Per dozen.....	40c.	55c.

BISCUIT CUTTERS.

PLAIN.



Inches,	3	4
Per dozen.....	40c.	55c.

PIECED TINWARE.

1073



CAKE CUTTERS.

ASSORTED—FANCY.

Per dozen..... **HOBBS** \$1 10



MUFFIN RINGS.

Inches,	2 1/4	3	3 1/2
Per dozen.....	40c.	50c.	60c.



EGG SLICERS.

Inches,	4 3/4 x 4 1/8
Per dozen.....	\$2 50



APPLE CORERS.

Nos.	1	2
Per dozen,	\$1 00	\$2 00



SAP BUCKETS.

Quarts,	10	14
IC., per dozen,	\$2 44	3 10
IC. Charcoal,	2 77	3 55
IX. "	3 10	4 22

HORNS—DINNER.



No.	1—with screw, per dozen.....	\$1 60
"	2—without " ".....	1 30
"	02— " ".....	1 00
"	10—Japanned ".....	2 50



LAMP STOVES.

GOLDEN STAR.

Each..... **ONDON** \$1 80

COPPER WARE.



OVAL WASH BOILERS.

COPPER, PLANISHED, PATENT PIT, TIN COVER.

Nos.	8	9	10
Cone Pit, each	\$6 10	6 66	7 76
Spun Pit, each	6 66	7 22	....



COPPER TEA KETTLES.

Nos.	0	1	2
Quarts,	1 1/2	2	3
Each,	\$1 77	2 00	2 22



BRASS TEA KETTLES.

FLAT BOTTOMS.

Pearl, each..... \$1 66



TEA KETTLES.

COPPER, PLANISHED.

Nos.	8	9
Each,	\$3 32	3 88

COPPER SPUN, EXTRA HEAVY.

Nos.	8	9
Each,	\$3 88	4 45

GALVANIZED IRONWARE.

1075



GALVANIZED BUCKETS.

Inches,	11	12	13	14
Per dozen,	\$5 00	5 55	6 22	7 22



GALVANIZED SAP BUCKETS.

Quarts.	12
Per dozen.....	\$



HARDWARE CO. GALVANIZED WASH BASINS.

Inches,	11½	13
Per dozen.....	\$2 76	3 32



GALVANIZED WASH BOWLS.

ENGLISH.

Inches,	11½	13	14
Shallow, per dozen.....	\$2 88	3 55	4 22
Deep, ".....		4 22	4 88

LONDON GALVANIZED RANGE BOILERS.

CAPACITY.

30 Gallons.....	\$
35 ".....	
40 ".....	

GALVANIZED COAL HODS.



GALVANIZED COAL HODS.

FUNNEL.

No.	3
Per dozen.....	\$14 44



GALVANIZED COAL HODS.

OPEN.

No.	7
Per dozen.....	\$10 00



GALVANIZED COAL HODS.

FURNACE, EXTRA LARGE, OPEN.

Per dozen.....	\$22 50
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JAPANNED COAL HODS.



HOBBS

COAL HODS.

JAPANNED, OPEN, PLAIN.

No.	7
Per dozen.....	\$6 66

JAPANNED, OPEN, GOLD BAND.

No.	6
Per dozen.....	\$7 76



HAIRDWARE

COAL HODS.

FUNNEL, GOLD BAND, DECORATED.

No.	5
Per dozen.....	\$11 10

FUNNEL, PLAIN, EXTRA LARGE.

No.	3
Per dozen.....	\$13 32



COAL HODS.

HELMET, GOLD BAND, DECORATED.

No.	2
Per dozen.....	\$15 54

LONDON

COVERED, EXTRA FINISH.

No.	1
Per dozen.....	\$20 00

JAPANNED WARE.

TOILET SETS.

ASSORTED COLORS—GOLD BANDS.



No. 100	Per set	\$2 98
No. 100	Toilet Water Carriers, assorted colors	\$12 00
" 100	Oval Foot Tubs, assorted colors	12 00
" 101	Toilet Sets, Oak Grained, with Gold Bands	3 32
" 102	" Rustic, Light Blue and Vermillion, Gilt Scroll and Picture	3 88
" 103	" Rustic, Maroon and Green, Gilt Scroll and Pictures	3 88
" 107	" Hand Painted, Beautiful Designs	5 55
" 108	" Queen Anne, Various Colors	5 32

TOILET SETS.

ORNAMENTED—ASSORTED COLORS.



No. 107	Per set	\$5 55
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JAPANNED WARE.

1079

TOILET WARE.



No. 109 Egyptian, Various Colors, per set.....\$5 76

TOILET WARE.



No. 109 Oriental, Various Colors, per set.....\$3 88

TOILET WARE.



No. 99 Various Colors, per set.....\$2 44

TOILET JARS.

WITH OR WITHOUT BAILS.



Assorted Colors.

HOTEL JARS.

WITH BAILS.



Assorted Colors.

No. 1 Per dozen.....\$8 83 No. 01 Per dozen.....\$7 50

JAPANNED WARE.



CHAMBER PAILS.

ASSORTED COLORS.

Quarts,
Per dozen,

12
\$8 88

16
10 54



CHAMBER PAILS.

WITH COMMODE ATTACHMENT.

JAPANNED.

No.

40

Quarts.....

16

Per dozen..... \$12 70



COMMODE ATTACHMENTS

FOR CHAMBER PAILS.

Inches,

9 1/2

Per dozen..... \$3 75



TOILET BOWL AND PITCHER.

No. 0	Assorted Colors	per set, \$1 55
No. 1	Oak Grained.....	" 2 06
No. 2	Pink and Blue, Gold Pictures.....	" 2 22
No. 3	Cream and Blue, Gold Pictures.....	" 2 22

JAPPANED WARE.

1081



CHILDREN'S BATHS.

HOBBS Nos. Inches. Per dozen.	1	2	3
	23	39	34
	\$15 00	22 22	31 98



PLUNGE BATH.

WOOD BOTTOM.

Nos. Length, inches, Price, each,	4	5
	64	72
	\$12 22	13 32



SPONGE BATH.

HARWARE CO. Nos. Each,	1	2
	\$5 00	6 10



SITZ BATH.

ONE SIZE.

No. Each	3
	\$6 66



CUSPADORES.

ASSORTED COLORS, GOLD BANDS.

LONDON No. Per dozen	1
	\$2 76

SELF-RIGHTING, ASSORTED COLORS, GOLD BANDS.

No. Per dozen	2
	\$3 88

JAPANNED WARE.



MAT CUSPADORES.

ASSORTED COLORS AND GOLD BANDS.

Per dozen..... \$9 00



CUSPADORES.

CAST IRON BOTTOM, ASSORTED COLORS, GOLD ORNAMENTATION.

Nos.	3	4	5
Per dozen,	\$6 88	8 66	10 44



CUSPADORES.

NICKEL PLATED.

Per dozen..... \$

BRASS.

Per dozen..... \$

BRASS, SELF-RIGHTING.

Per dozen..... \$



SPITTOONS.

Solid Cover	per dozen, \$2 22
Pressed Bottom.....	per dozen, 2 00



WATERING POTS.

PATENT ROSE.

Quarts,	1	3
Per dozen.....	\$3 55	5 32
Quarts,	6	12
Per dozen.....	\$6 66	10 00

JAPANNED WARE.

1083

WATER COOLERS.

PLATED FAUCETS.



Water Coolers—Plated Faucets.

Gallons	3	6	8
Each,	\$6 66	\$7 76	\$8 88

COOLERS AND FILTERS COMBINED.



Coolers and Filters Combined.

Gallons,	3
Each.....	\$10 00

ASSORTED COLORS.

TEA OR COFFEE CANISTERS.

ROUND—ASSORTED COLORS.



HARDWARE CO.

2
2 22

SUGAR BOXES.

ROUND—WITH RAISED TOP.



Nos.	1	2	3	4
Per dozen.....	\$3 88	5 55	8 32	11 10
Nest of four, per nest.....	\$2 40			

BREAD BOXES No. 1.

ASSORTED COLORS.



Nos.	1	2	3
Sizes.....	9 1/2 x 13	11 x 15	12 x 17
Each.....	\$1 22	1 44	1 77
Nest of three	\$4 44		

LONDON

BREAD BOXES NO. 2.

1X TIN, ASSORTED.



Nos.	1a	2a	3a
Sizes.....	11 x 15 1/2	12 x 17	13 x 19
Each.....	\$2 32	2 44	2 55
Nest of three	\$7 32		

JAPANNED WARE.



ROUND CAKE BOXES.

Nos.	1	2	3
Per dozen,	\$10 54	11 10	11 66
Nest of three.....	\$2 27		



SPICE BOXES.

GEM.

Six Spices, per dozen\$9 32



SPICE BOXES.

BOOK.

Six Spices, per dozen\$19 44



SPICE BOXES.

Four Spices, small, per dozen.....\$4 00
 " large, " 5 32



ROUND SPICE BOXES—JUBILEE

SEVEN INSIDE BOXES.

Seven Spices, per dozen.....\$10 00



CASH BOXES.

Inches,	8	9	10	11
Per dozen,	\$17 76	20 00	22 22	24 44



TEA CADDIES.

REVOLVING COVERS.

Lbs..... 60
 Each.....\$10 00

Other sizes made to order.

JAPANNED WARE.

1085



SQUARE OPEN KNIFE BOXES.

HOBBS

Per dozen.....\$8 32



BILL HEAD CASES.

Parts,	1	2	3
Per dozen.....	\$2 75	4 50	5 75



POST OFFICE BOXES.

Parts,	1	2	3
Per dozen.....	\$4 50	7 00	9 25



WASTE PAPER BASKETS.

Size,	11 x 11 x 13 in. Deep
Each.....	\$0 66



COVERED DUST PANS.

JAPANNED AND ORNAMENTED.

IX, Wired, per dozen.....\$5 25

LONDON DUST PANS.



JAPANNED.

1C, per dozen.....	\$2 00
IX, per dozen.....	2 62

PLAIN WIRED, ASSORTED COLORS.

IX, per dozen.....\$2 76

JAPANNED WARE.



CRUMB TRAYS AND BRUSHES.

ASSORTED COLORS.

Nos.	1	2	3
Per dozen.....	\$8 44	10 76	11 76



EMBOSSED CRUMB TRAYS AND BRUSH.

No. 30	Brass, per dozen.....	\$
No. 35	Imitation Brass, per dozen.....	



HEAVY BRASS CRUMB TRAY AND SCRAPER.

No.	50
Each.....	\$0 88

EGYPTIAN WHISK HOLDER.



No. 60.

No. 60 Per dozen\$2 75

EGYPTIAN MIRROR WHISK HOLDER.



Per dozen.....\$6 00

JAPANNED WARE.

1087



Embossed Comb Cases.



Comb Cases.

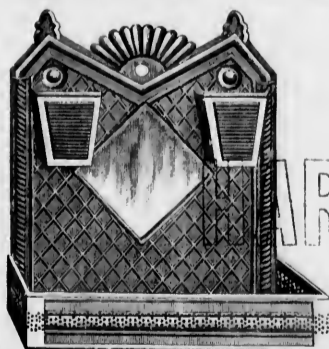
No. 1
Per dozen \$1 44

Per dozen \$1 44



EMBOSSED COMB CASE AND MATCH SAFE.

No. 2
Per dozen \$2 25



EGYPTIAN MIRROR DRESSING CASE.

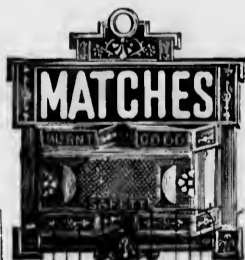
ARDWARE CO.

Per dozen \$6 00

MATCH SAFES.



SQUARE.



LUMINOUS.



TWIN.

Square Match Safes
Twin Match Safes
Luminous Match Safes

per dozen, \$1 00
per dozen, 1 33
per dozen, 3 25

MATCH SAFES.



"EASTLAKE"

MATCH SAFES.

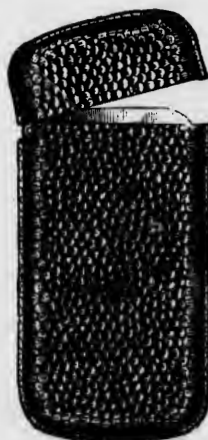
LUMINOUS.

No. 310 Oxidized Nickel . . . per dozen, \$

POCKET MATCH BOXES.



No. 31.



No. 27.

No. 31	"Antique" Match Boxes, Solid Nickel Silver, Oxidized	-	-	-	-	per dozen, \$
No. 27	Pocket Match Boxes, "Gold," assorted patterns	-	-	-	-	per dozen,

JAPANNED WARE.

1089



BOOK LUNCH BOXES.

FANCY.

No. 1
Inches..... 7 1/2
Per dozen..... \$3 55



CANDLESTICKS.

Nos. 1 2
Per dozen..... \$1 32 \$1 66



BOX GRATERS.

Per gross..... \$4 30



MOLASSES CUPS.

Quarts. 1/2 1
Japanned, flat bottom, per doz. \$2 50 \$3 75



DREDGE BOXES.

JAPANNED.

No. 1
Per dozen..... \$0 77



PEPPER BOXES.

No. 2
Per gross..... \$4 30

CHILDREN'S TRAYS.

ASSORTED COLORS.



No. 1
Per dozen..... \$7 77

JAPANNED WARE.

TEA TRAYS.



No. 1564.



No. 1449.

Inches,	12	14	16	18	20	22	24	26	28	30
No. 1564, per dozen,	\$2 40	2 80	3 60	4 50	5 30	6 00	7 00	9 00	11 20	12 50
No. 1449, per dozen,	3 20	3 65	4 00	5 20	5 80	6 60	7 50	....	....	....

UMBRELLA STAND.

CAST BOTTOM AND TOP RIMS



No. 60 Umbrella Stand

each, \$3 32

TOYS



TOY GOTHIC BANKS.

Per dozen,

HOBBS

\$1 10



ROUND BANKS.

Per dozen,

\$0 77



TOY HOUSE BANKS.

Per dozen,

\$1 10



A B C RATTLES AND WHISTLES.

Per dozen,

\$0 44

HARDWARE CO.

WHISTLES

Inches,
Per dozen,8
44c.10
60c.11
77c.12
95c.14
\$1 10

LAVA TOY PAILS.

Nos.

1

2

3

Per dozen,

\$0 88

\$1 32

1 76

Nest of three, per dozen, \$4 00



TOY FLARING CUPS.

Nos.

1

2

3

Per dozen,

55c.

72c.

88c.

LONDON

STRAIGHT TOY CUPS.



Per dozen,

\$0 72



MASLIN KETTLES.

RIMMED BOTTOM, SIDE HANDLE AND STOP BAIL,
PORCELAIN ENAMELED.

Quarts, Inches, Each,	2 7	3 7½	4 8	5 8½	6 9	7 9½	8 10
	\$0 60	65	75	90	1 10	1 20	1 30
Quarts, Inches, Each,	9 10½	10 11	12 12	14 13	16 14	18 15	20 16
	\$1 35	1 40	1 50	1 75	2 00	2 25	2 50



SCOTCH BOWLS.

IMPROVED PATTERN, WITH LIFT AND STOP BAIL,
PORCELAIN ENAMELED.

Nos. Inches, Each,	2 9	3 10	4 11	5 12	6 13
	\$0 75	90	1 10	1 20	1 40



BELLIED SAUCE PANS.

IMPROVED PATTERN, WITH IMPROVED COVERS,
PORCELAIN ENAMELED.

Pints, Each,	1 \$0 39	1½ 44	2 48	3 56	4 63	5 68
Quarts, Each,	3 \$0 73	4 84	5 96	6 1 11	7 1 21	
Gallons, Each,	2 \$1 31	2½ 1 56	3 1 70	3½ 2 00	4 2 15	5 2 50



DEEP FRENCH STEW PANS.

IMPROVED PATTERN, EXTRA LARGE AND DEEP,
PORCELAIN ENAMELED.

Nos. Each,	1 \$0 51	2 59	3 69	4 80	5 94	6 1 10
Nos. Each,	7 \$1 20	8 1 32	9 1 51	10 1 68	11 1 85	12 2 00

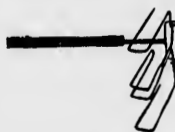
CROSS TOASTERS.



Per dozen,

\$

SWING TOASTERS.



Per dozen,

\$

VICTORIA FLOUR SIFTERS.



Per dozen,

\$

METALLIC FLOUR SIEVES.



Tinned,

Per dozen, \$

"O. K." PARER AND SLICER. FOR FRUIT AND VEGETABLES.



Per gross,

\$

BRASS SUSPENSION BIRD CAGE SPRINGS.

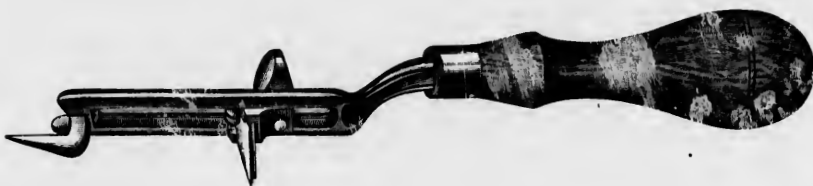
No. 10 Bird Cage Spring,

Per gross, \$

VENTILATOR BRICKS

2 1/2 x 8 inches, without Slide	per dozen, \$
5 x 8 inches, without Slide	per dozen,
2 1/2 x 8 inches, with Slide	per dozen,
5 x 8 inches, with Slide	per dozen,

NEW "PERFECT" CAN OPENER.



No. 25	Polished, with Japanned Malleable Handle	per dozen, \$
No. 30	Extra Polished and Nickel Plated, with Cherrywood Handle	per dozen,



MERRILL'S

ROTARY LAWN SPRINKLER

IS ESPECIALLY DESIGNED FOR

SPRINKLING GARDENS, GRASS, PLATS,
PARKS, ETC., ETC.

It can be attached to the nozzle of any hose in an instant, and being supported by a standard, will distribute more water, do it more uniformly and thoroughly, and cover a larger area of surface than any other lawn sprinkler in the world.

IT WILL SAVE NINE-TENTHS OF THE LABOR USUALLY REQUIRED, AND IS SOLD SO CHEAP THAT NOBODY CAN AFFORD TO BE WITHOUT ONE.

The distinctive feature of this sprinkler is the method of converting the solid stream of water, after it leaves the nozzle, into a **FINE SPRAY**, which is thrown to a great distance in every direction by the rotary action of the Sprinkler.

With our ordinary city water pressure the spray will be EVENLY DISTRIBUTED OVER AN AREA OF FROM 1,200 TO 1,600 SQUARE FEET OF GROUND.

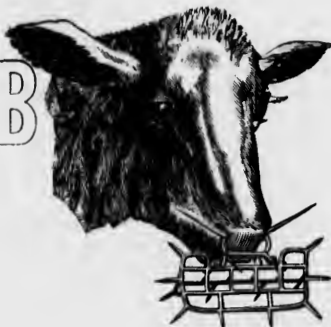
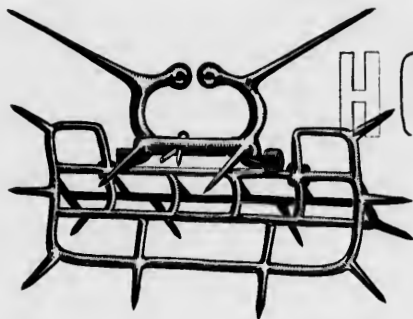
With this Sprinkler a very material change from the usual mode of sprinkling lawns and gardens is practicable, it being as far in advance of the capacity of the spray nozzle or perforated sprinkler as they are of the old hand watering pot; for, instead of continual handling and manipulation, the great range and extraordinary scattering capacity of the Merrill Sprinkler admits of its remaining for a considerable time in one position, fixed upon a standard, and requiring only occasional attention to move it from one place to another when it has sufficiently watered the field within its scope, thereby saving more than NINE-TENTHS of the personal attention and labor.

This is the only Sprinkler manufactured which will not clog with leaves or grass.

Merrill's Rotary Lawn Sprinkler per dozen, \$

CALF WEANERS.

"THE SETTLER."



- No. 10 For calves four months to one year old
No. 12 For animals one to two years old

per dozen, \$
per dozen,

WHY IT IS THE SETTLER.

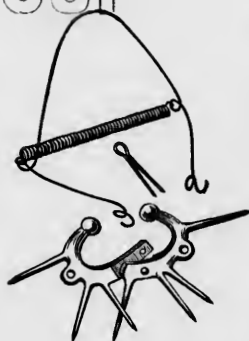
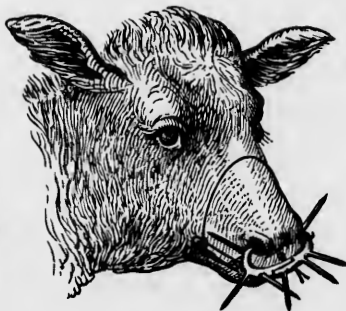
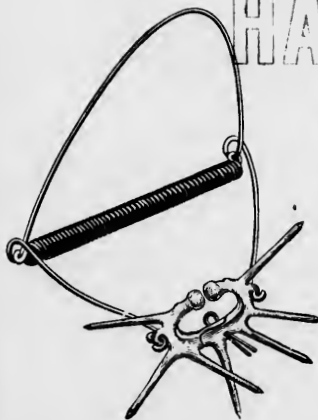
FIRST. Because for sucking calves it is a "SETTLER."

SECOND. Because Farmers suffering with sucking calves must have a "SETTLER."

THIRD. Because it has settled the Weaner question, and the "SETTLER" leads.

FULLER'S CALF WEANERS.

HARDWARE CO.



- No. 1 From four to eight months old
No. 2 Yearling and two-year-old
No. 3 Cow Weaners, without Bit

per dozen, \$
per dozen,
per dozen,

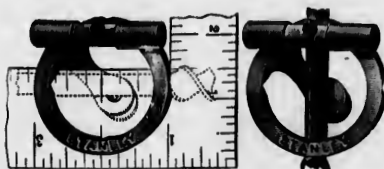
DIRECTIONS.

FIRST. See that the proper sized Weaner is used. See number and size above.

SECOND. Don't be afraid to use the wire or anti-sucking bit when it is necessary. It is the best part of the Weaner, as it destroys the vacuum and makes it impossible for the calves to draw any milk. The bit being flexible, allows the calf to eat and drink without the least inconvenience or trouble to the calf whatever.

THIRD. Hook the wire frame into the eyes of nose piece, as represented in the above cut; take out the split-pin at the joint, and pull the nose piece open; then push the spiral bit into the calf's mouth far enough so that the ball-shaped ends of the nose piece can be put into the nose; then close the nose piece and put back the split pin, and spread the pins at the ends to prevent it coming out.

STANLEY'S PATENT BIT AND SQUARE LEVEL

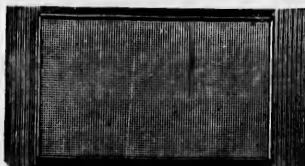


The frame of this Level has three pairs of V slots on its back edges. A thumb-screw secures the Level to the Bit, and boring can be done with perfect accuracy as to the perpendicular, horizontal, or angle of 45 degrees by observing the bubble-glass while turning the Bit.

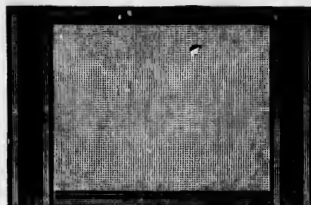
The frame can also be attached to a carpenters' square. Two shoulders rest on the top of the horizontal leg to the square, thus making it an accurate spirit-level, and the upright leg of the square will then indicate an exact plumb-line.

No. 44 Bit and Square Level, Brass Frame - - - - - each, \$0 80

WIRE WINDOW SCREENS



SOLID ADAPTABLE FRAME.



ADJUSTABLE FRAME.

SOLID ADAPTABLE SCREEN.

No. 1	Height, 20 $\frac{3}{4}$ inches; full size, 30 $\frac{1}{2}$ inches; cut to 25 inches	- - - - -	per dozen, \$6 00
No. 2	Height, 23 $\frac{1}{2}$ inches; full size, 35 inches; cut to 29 $\frac{1}{2}$ inches	- - - - -	per dozen, 6 50

ADJUSTABLE SCREEN.

No. 7	Height, 24 inches; closed, 25 inches; open, 30 $\frac{1}{2}$ inches	- - - - -	per dozen, \$7 50
No. 8	Height, 24 inches; closed, 29 $\frac{1}{2}$ inches; open, 35 inches	- - - - -	per dozen, 8 00

The frames of these Screens are made of hardwood, finished with hard oil on the natural wood, and will be found to be the best finished, most complete and strongest Screen in the market.

The numbers 1 and 2 are not adjustable, but are provided with heavily scored ends, which can be easily cut down with a pocket knife to suit any size window.

The numbers 7 and 8 have adjustable sliding ends.

PUT UP ONE DOZEN IN A CRATE.

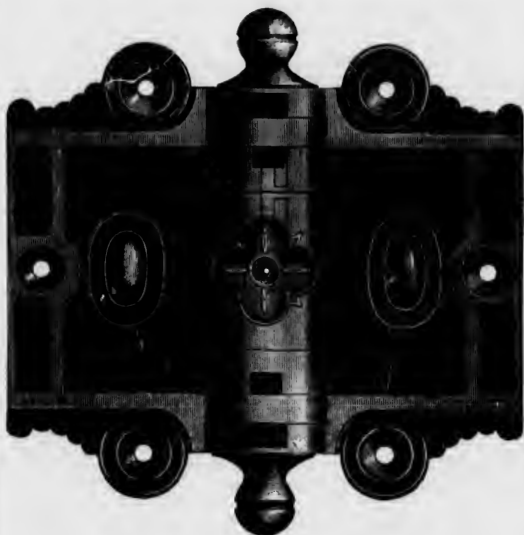
DOORS.

No. 10	2 feet 8 inches x 6 feet 8 inches	- - - - -	per dozen, \$17 00
No. 11	2 feet 10 inches x 6 feet 10 inches	- - - - -	per dozen, 18 00
No. 12	3 feet x 7 feet	- - - - -	per dozen, 19 00

PUT UP HALF DOZEN IN A CRATE.

THE FRAMES OF THESE DOORS ARE MADE OF CLEAR PINE LUMBER AND STAINED WALNUT.

THE "RELIABLE"
SURFACE SPRING HINGE.
COVERED SPRING.



HOLDS THE DOOR EITHER OPEN
OR SHUT.

The weight of the door is supported by the knuckles of the hinge. In no other hold-back hinge is this so.

No. 20 Black Japanned, per dozen pairs, \$
Packed 6 pairs in box.

Has the good points of all other hinges, and none of the weak ones.

Has a flat steel, oil tempered spring, that will never "set" or wear out

COMBINATION IRON SOAP HOLDER.



CHEAP, USEFUL, AND ECONOMICAL.

It can be used in a variety of ways. It will either hang on the wall, round or square wash tubs, scrubbing pails, or stand anywhere, and always ready for use.

No. 2 Galvanized,
" 2 Maroon,

Per dozen, \$

Per dozen, \$

DIMENSIONS, ETC.—No. 2.

5½ inches in length.
1¼ inch deep in front.
1 inch length of back legs.
Weight, ½ lb.

3½ inches wide across top.
1¼ inch height of back.
1¼ inch space between the three back legs.
Capacity, 1 lb. soap.

MANNY'S LEMON JUICE EXTRACTOR.



EXTRACTS THE PURE JUICE ONLY,

AND DELIVERS IT INTO THE TUMBLER FREE FROM THE BITTER
OIL OF SKIN OR SEEDS.

TRY IT ONCE AND YOU WILL NEVER WANT TO USE AN
OLD-FASHIONED SQUEEZER AGAIN.

DIRECTIONS.

Set the Squeezer upon a tumbler (as shown in the engraving), place a half lemon upon the points, press downward and oscillate the lemon slightly. The ribs easily enter the pulp; the juice as it is liberated passes down through the openings into the tumbler. These openings are too small to allow the seeds to pass through. The pulp will not be detached from the skin if the work of expressing the juice is not overdone. By this process we obtain the clear juice from the PULP with none of the bitter oil from the skin. A lemonade thus made is doubtless a more wholesome beverage, and is certainly more agreeable to the taste. Try it once and you will never want to use an old-fashioned squeezer again. They are made of glass, and as easily kept clean as a tumbler; are an ornament to the table when placed around a fruit dish, and each member of the family, young or old, can easily make a lemonade with any desired amount of the acid without soiling the hands, and each can sweeten as they like it best.

When this squeezer is used, the old custom of making lemonade in quantities, and wasting what is not used will be discontinued.

Please order samples for trial, and you will doubtless have a lively demand as soon as their merits become known. At least, that has been the experience of all dealers who have handled them.

Manny's Lemon Juice Extractor per dozen, \$

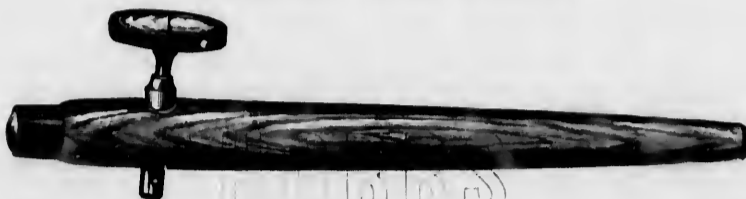
"THE HARRIS" TELESCOPE SHADE ROLLER.



THE BEST ADJUSTABLE SHADE ROLLER IN THE MARKET.

No. 1 Telescope Shade Roller per dozen, \$

"STANDARD" BEER FAUCETS.



No. 1	18 & 20 Inch Beer Faucets, with Iron Bound End, Half Inch Discharge Key.	Per dozen, \$
" 2	18 Inches Long, Beer Faucets, with Iron Bound End, Three-eighths Inch Discharge Key.	Per dozen, \$

SKEWERS

IN SETS.

No. 1	10½ Inches,	Per dozen sets, \$
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PLASTERERS' HAIR.

Plasterers' Hair,	Per Bushel, \$
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PLASTER PARIS.

Plaster Paris,	Per Barrel, \$
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WATER LIME.

Water Lime,	Per Barrel, \$
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AKRON CEMENT.

Akron Cement,	Per Barrel, \$
---------------	----------------

PORTLAND CEMENT.

Portland Cement,	Per Barrel, \$
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HARVEST MITTS.

FOR BINDING.

10 inch Mitts	per dozen pairs, \$
12 inch Mitts	per dozen pairs,
14 inch Mitts	per dozen pairs,
16 inch Mitts	per dozen pairs,
14 inch Mitts, Saranac Front	per dozen pairs,
14 inch Mitts, Saranac Hands	per dozen pairs,

FOR THRESHING.

16 inch Mitts, Calf Hands	per dozen pairs, \$
16 inch Mitts, Calf Face	per dozen pairs,
16 inch Mitts, Kipp Hands	per dozen pairs,
16 inch Mitts, Kipp full length, (no cuff)	per dozen pairs,

LINEN SEWED AND FIRST-CLASS STOCKS.

CHAMOIS SKINS.

Nos.	1B	2B	3C	4D
Fine Soft Skins, per dozen, \$				

KNITTING NEEDLES.

Nos.	14	18	12	11	10
Per gross, \$					

QUARTER GROSS IN A PACKAGE.

SCHOOL SLATES.

Sizes, inches,	4 x 6	5 x 7	6 x 9	6½ x 10	7 x 11	8 x 12	9 x 13
Per dozen, \$							

SLATE PENCILS.

Slate Pencils, 6 inch	per thousand, \$
-----------------------	------------------

100 IN BOX, 100 BOXES OR TEN THOUSAND IN CASE.

Gem Stove Pipe Collar.



Gem Flue Stopper.



GEM STOVE PIPE COLLAR.

Gem Stove Pipe Collar, 6 inches

Gem Stove Pipe Collar, 7 inches

per dozen, \$1 20

per dozen, 1 50

GEM FLUE STOPPER.

Gem Flue Stopper, 8 3/16 inches

per dozen, \$1 50

Crown Mug No. 1.

SILVER FINISH.



Size 2 1/2 x 3 3/4 inches.

Crown Mug No. 2

SILVER FINISH.



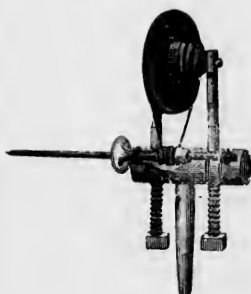
Size 2 1/2 x 3 3/4 inches.

No. 1 Crown Mug

No. 2 Crown Mug

per dozen, \$1 50

per dozen, 1 50



PATENT WHEEL HEADS

WITH STEEL SPINDLES.

No. 64	Brass Bushed, large	-	-	-	per dozen, \$
No. 65	Brass Bushed, small	-	-	-	per dozen, \$
No. 66	Anti-friction, large	-	-	-	per dozen,
No. 67	Anti-friction small	-	-	-	per dozen,
No. 68	Anti-friction, extra large, 6 inch wheel	-	-	-	per dozen,



FOUNTAIN OIL TANK.

WITH LEVER FORCE PUMP, CAPACITY ONE BARREL.

PAINTED GREEN BODY.

VERMILION BANDS, GOLD STRIPING AND LETTERING.

Each - - - - - \$

EMERALD OIL TANK.

WITH FORCE PUMP, CAPACITY ONE BARREL.

PAINTED GREEN BODY, GOLD STRIPING.

Each - - - - - \$

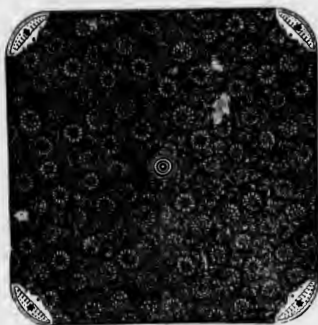
MICA PRICE LIST.

SIZE	1 1/2	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6
X	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb
2	\$0 45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 1/4	45	\$0 45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 1/2	45	45	\$0 45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 3/4	50	50	55	\$0 65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	60	60	1 00	1 10	1 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 1/4	65	65	1 00	1 40	2 25	\$5 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 1/2	70	70	1 40	1 65	2 50	3 50	\$7 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 3/4	80	1 00	1 75	2 00	3 25	5 00	7 50	\$8 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	1 00	1 70	2 00	3 25	4 25	5 50	9 00	9 00	\$9 00	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 1/4	1 50	2 25	2 50	4 00	5 00	7 00	9 50	9 50	10 00	\$10 00	.....	.....	.....	.....	.....	.....	.....	.....
4 1/2	2 00	2 75	3 75	5 75	8 00	9 00	10 00	10 00	10 50	10 50	\$10 50	.....	.....	.....	.....	.....	.....	.....
4 3/4	2 25	3 25	4 75	6 75	9 50	10 50	10 50	10 50	10 75	10 75	11 00	\$11 00	.....	.....	.....	.....	.....	.....
5	2 50	5 00	6 00	7 75	11 00	11 50	11 50	11 50	11 50	11 50	11 50	11 50	\$12 00	.....	.....	.....	.....	.....
5 1/4	2 75	5 00	6 00	8 50	11 00	11 50	11 50	11 50	11 50	11 50	11 50	11 50	12 00	\$12 00	.....	.....	.....	.....
5 1/2	3 00	5 75	6 50	9 00	11 50	12 00	12 00	12 00	12 50	12 50	12 50	12 50	12 50	12 50	\$13 00	.....	.....	.....
5 3/4	3 00	6 00	6 75	9 50	11 50	12 00	12 00	12 00	12 50	12 50	12 50	12 50	12 50	12 50	13 00	\$13 00	.....	.....
6	3 25	6 50	7 00	9 75	12 50	12 50	12 50	12 50	13 00	13 00	13 00	13 00	13 00	13 00	13 00	13 50	\$13 50	.....

STOVE BOARDS.

EMBOSSSED WHITE BRILLIANT STOVE BOARDS.

(WOOD LINED.)



Square.

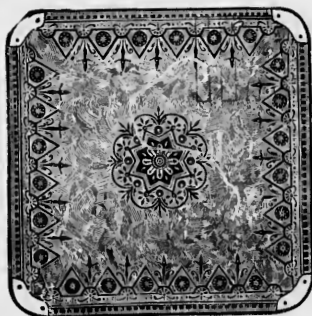
Inches,	26	28	30	32	34
Per dozen,	\$26 00	\$28 00	\$30 00	\$32 25	\$34 75

Round.

Inches,	30	32	34
Per dozen,	\$30 00	\$32 00	\$34 00

Oblong.

Inches,	24x28	26x30	26x34	28x36
Per dozen,	\$27 50	\$29 00	\$31 00	\$32 00



STOVE BOARDS.

No. 1, SQUARE, CRYSTALLIZED.

Inches,	26	28	30	32	34	36
Per dozen,	\$26 00	\$28 00	\$30 00	\$32 25	\$34 75	\$36 00

No. 1, OBLONG, CRYSTALLIZED.

Inches,	24x28	26x30	26x34	28x36
Per dozen,	\$27 50	\$29 00	\$31 00	\$32 00

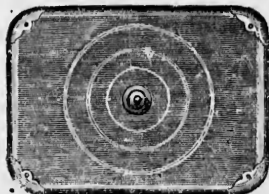


STOVE BOARDS.

No. 1, ROUND, CRYSTALLIZED.

Inches,	30	32	34	36
Per dozen,	\$30 00	\$32 00	\$34 00	\$36 00

STOVE BOARDS.



OBLONG, ZINC.

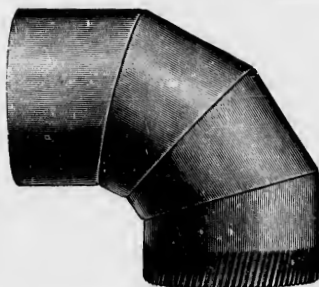
Inches,	24 x 28	26 x 30	26 x 34	28 x 36
Per dozen,	\$22 00	24 00	28 00	30 00

ROUND, ZINC.

Inches,	30	32	34	36
Per dozen,	\$26 00	29 00	32 00	38 00

SQUARE, ZINC.

Inches,	26	28	30	32	34	36
Per dozen,	\$20 00	22 00	24 00	26 00	28 00	30 00



PERFECTION ELBOWS.

No. 4, COMMON.

Inches,	5	6	7
Per dozen,	\$		

No. 4, POLISHED.

Inches,	5	6	7
Per dozen,	\$		



PERFECTION ELBOWS.

No. 8, COMMON.

Inches,	5	6	7
Per dozen,	\$		

No. 8, POLISHED.

Inches,	5	6	7
Per dozen,	\$		

ELBOWS.

Corrugated.	6 inch.	Common	per dozen, \$	Polished	per dozen, \$
Corrugated.	7 inch.	Common	per dozen,	Polished	per dozen,
Square.	6 inch.	Common	per dozen,	Polished	per dozen,
Square.	7 inch.	Common	per dozen,	Polished	per dozen,

STOVE PIPES.

6 inch.	Common	-	-	-	-	-	-	each, \$
6 inch.	Polished	-	-	-	-	-	-	each,
7 inch.	Common	-	-	-	-	-	-	each,
7 inch.	Polished	-	-	-	-	-	-	each,

T PIPES AND HALF Y PIPES TO ORDER.

SHOW CASES.

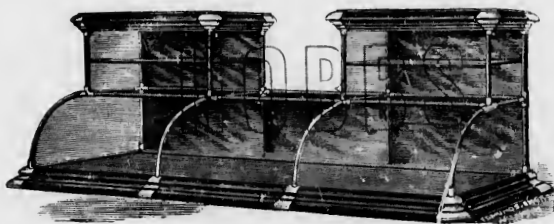


Fig. 1.

FIG. 1.—Finished in walnut, or imitation of ebony or rosewood, with the best metal joints and metal division bars. Paneled doors made to swing or drop, with spring hinges. Heavy, double-thick French glass in front, top and ends. All doors have mirrors.

DIMENSIONS.

Height of bottom section, 15 inches; width, outside of bottom, 27 inches; height of top section, 17 $\frac{1}{4}$ inches; width, about 12 inches.

Price per foot

\$11 00

ANY SIZE OR LENGTH REQUIRED MADE TO ORDER.

HARDWARE CO.



LONDON

FIG. 2.—Case and Stand. We also furnish this Stand to suit any Case we make.

Price per lineal foot for Case

\$5 50

Price for Stand, 4 to 8 feet

7 75


SHOW CASES.



Fig. 3.

FIG. 3.—This cuts represents a Case for a counter running at right angles. This Case is made in any style either oval, square or mansard fronts.

MADE TO ORDER ONLY.

 Prices furnished on application, giving dimensions.

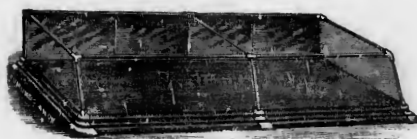


Fig. 4.

FIG. 4.—French polished black walnut, or in imitation of ebony or in rosewood, heavy base and other mouldings with silver-plated metal joints and metal division bars. Heavy, double thick French sheet-glass in top, and double thick in front and ends. Doors made to slide.

DIMENSIONS.

Front height, 13 inches ; back, 13½ inches ; width, 27 inches ; width of glass top, 20 inches. BOTTOMS PANELED.

Price per lineal foot, 6 feet and over,	-	-	-	-	-	-	-	-	-	\$4 50
" " " 4 and 5 feet,	-	-	-	-	-	-	-	-	-	5 00

Imitation of rosewood finish, 25 cents per ft. extra.

SHOW CASES.

1107

MANSARD FRONT.



Fig. 5.

FIG. 5.—Full metal, with best double-thick French sheet glass.

DIMENSIONS.

Front height, 14 inches ; back, 15 inches ; width, 27 inches ; front slant, 4 inches ; width of top glass, 20 inches.

Price per lineal foot, full metal, 6 feet and over,	\$4 00
“ “ “ 4 and 5 feet,	5 00

ROUND FRONT.



Fig. 6.

FIG. 6.—Full metal, with fancy base and other mouldings. Paneled doors, with mirrors, made to swing, slide or drop with spring hinges. Best heavy, double-thick French oval sheet glass, and double-thick glass on top and ends. ALL THESE CASES HAVE PANELED BOTTOMS.

DIMENSIONS.

Height at back, 15 inches ; width, 27 inches, outside. The flat space on top is 12 inches ; arc of oval glass, 20 inches

Price per lineal foot, full metal, 6 feet and over	\$5 50
“ “ “ 4 and 5 feet,	6 00

BLACK WALNUT, SILVER-JOINTED OVAL FRONT.



Fig. 7.

FIG. 7.—French polished black walnut, or imitation of ebony or rosewood, heavy, fancy base and other mouldings, with silver-plated metal joints and metal division bars. Paneled doors, with mirrors, made to swing, slide or drop, with spring hinges and paneled bottom. Heavy, double-thick French sheet convex glass, and double-thick glass in top and ends.

Price per lineal foot, 6 feet and over,	\$4 00
“ “ “ 4 and 5 feet,	6 00

SHOW CASES.



Fig. 8.

Fig. 8.—This shows an Upright Bow Front Case. In wood or metal, to suit purchaser.

MADE TO ORDER ONLY.



Fig. 9.



Fig. 10.

FIG. 10.—This figure represents one of the handsomest and best Centre Cases made. We get them up in silver, ebony or walnut (silver jointed).

MADE TO ORDER ONLY.

FIG. 9.—Counter Case, with round ends, various sizes.

MADE TO ORDER ONLY.

SHOW CASES.

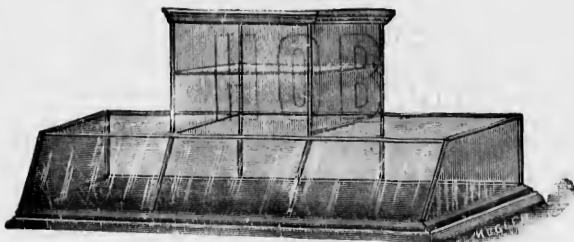


Fig. 11.

FIG. 11 represents a Mansard Case with turret, in wood or metal, to suit purchaser.

MADE TO ORDER ONLY.

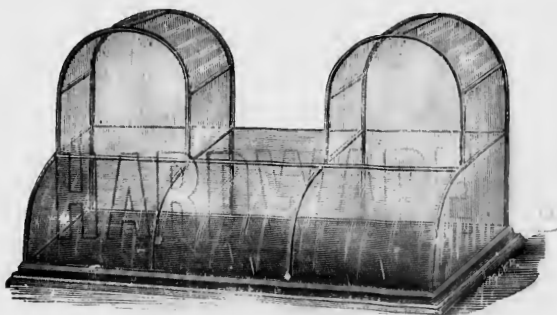


Fig. 12.

FIG. 12.—In metal or wood, with silver joints. Paneled doors, made to swing or drop, with spring hinges. Heavy, double-thick French glass in front, top and ends. All doors have mirrors

MADE TO ORDER ONLY.

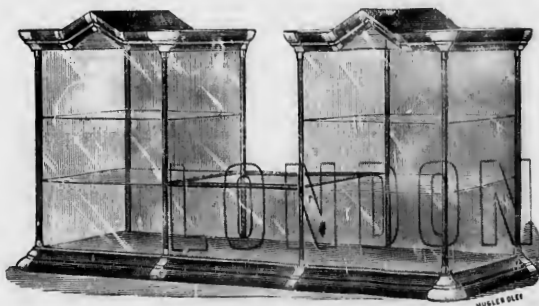


Fig. 13.

FIG. 13.—Finished in walnut, or imitation of ebony or rosewood, with best metal joints and metal division bars. Doors made to swing or drop, with spring hinges. All doors have mirrors.

MADE TO ORDER ONLY.



"ZERO" OR "BLIZZARD"
ICE CREAM FREEZERS

2 Quart	-	-	-	-	-	-	each, \$
3 Quart	-	-	-	-	-	-	each,
4 Quart	-	-	-	-	-	-	each,
6 Quart	-	-	-	-	-	-	each,

MACHINE OILERS

Machine Oilers, Straight Spouts	-	-	-	-	-	per dozen, \$
Machine Oilers, Bent Spouts	-	-	-	-	-	per dozen,

ONE DOZEN IN A BOX.

MACHINE OILERS.



THE

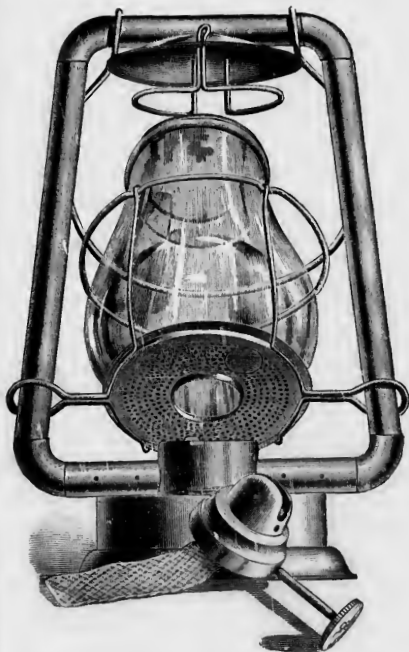
"SCHULTZ" LANTERN.

Patent Tilting Guard and Patent Locked Burner.

COMPACT, SIMPLE, DURABLE.

Per dozen - - - - - \$

PUT UP IN BOXES OF HALF AND ONE DOZEN.



The new "Schultz" Lantern is compact, simple, durable and cheap. Its illuminating powers are unexcelled. The automatic opening in the Disc is the most simple device yet produced for lighting lanterns. These Lanterns have ROUND TUBES, being stronger in every respect than the Square Tube Lanterns now in the market.

WE CLAIM FOR THIS LANTERN THE FOLLOWING:

The most perfect device for locking the Burners in Lanterns.
The easiest method for securing and removing the Globe.
They do not smoke the Globe when burning.

[Owing to a mistake on the part of the engraver, the above cut does not show the Automatic Closing Plate for the hole in the Perforated Disc.]

LANTERNS.

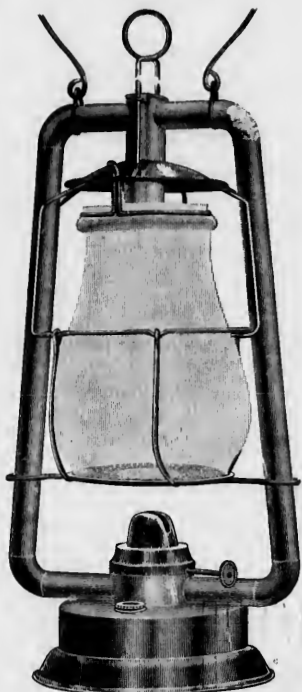
THE "BURN" LIFT LANTERN.

WITH PATENT LOCKED BURNER AND PATENT LIFT WIRE FOR LIFTING
GLOBE FOR LIGHTING

The "Burn" Lift Lantern

per dozen, \$

IN CASES OF DOZEN AND HALF DOZEN EACH.



THE "BURN" LIFT LANTERN.

GENUINE

SAFETY TUBULAR LANTERN.



WITH GUARD AND LIFT.

No. 0 Fitted with No. 1 burner, $\frac{5}{8}$ inch wick, 12 oz. globe, per dozen, \$

IN CASES OF DOZEN AND HALF DOZEN EACH



SQUARE TUBE.

SQUARE

TUBULAR LANTERNS.

WITH GUARD AND LIFT.

Fitted with No. 1 burner, $\frac{5}{8}$ inch wick, 12 oz. globes.

Square Tube Lanterns

per dozen, \$

IN CASES OF DOZEN AND HALF DOZEN EACH.



SLOTTED PLATE TUBULAR LANTERN.

WITH GUARD.

No. 1 Burner, $\frac{5}{8}$ inch Wick, 12 oz. Globe.

The Lantern represented in the cut is furnished with a new Slotted Plate, through which the wick can be reached at any point with a match and instantly lighted.

It is made of the same material as the No. O Genuine Safety Tubular Lantern; is furnished with the same Burner, Globe and Outside Filler.

THIS LANTERN CANNOT BE EXTINGUISHED BY THE WIND.

Can be filled, lighted, regulated and extinguished without removing the globe.

No. O Slotted Plate Tubular Lanterns - - - per dozen, \$

PACKED IN CASES OF DOZEN AND HALF DOZEN EACH.



BRASS GENUINE SAFETY TUBULAR LANTERN.

WITHOUT GUARD.

No. O Burner, $\frac{3}{8}$ inch Wick, No. OO Globe.

This Lantern is eleven inches in height, is constructed on the true tubular principle, is made in brass and finished in old gold.

It is small and unique in design, and will be found much more convenient for some purposes than the larger lanterns.

This Lantern is particularly adapted to the use of ladies and children, the feeder cap being furnished with a leather washer to prevent the oil from coming in contact with the clothing.

CANNOT BE EXTINGUISHED BY THE WIND.

Can be filled, lighted, regulated and extinguished without removing the globe.

No. OO Brass - - - per dozen, \$



PATENT DASH BOARD ATTACHMENT.

MADE FOR TUBULAR LANTERNS.

WITH REFLECTOR.

This is an ingenious arrangement of wire, which at once forms a guard to your lantern, holds the reflector in position, and can be instantly attached to or detached from the lantern and dash board.

It holds the lantern securely to the dash board, and does not require the removal of the globe in lighting, in fact is durable and complete.

No. 1 Patent Dash Board Attachment - - - per dozen, \$

PACKED IN CASES OF TWO, THREE AND SIX DOZEN EACH.

NEW SIDE AND DASH LAMP AND LANTERN COMBINED.

1113

No. 1 Burner, 5-8 Inch Wick, No. O Globe.



We wish to call particular attention to the new No. 15 Combination Lamp and Lantern, which although so recently introduced to the trade, has become a general favorite.

It is constructed on the Genuine Tubular Principle, has an extra large oil pot with a capacity for burning twenty-four hours, and by means of our SAFETY ATTACHMENT, the burner is locked securely in the lantern when the globe is removed or broken.

It has the new corrugated reflector with Dash Board Spring, hence can be used as a Dash Board Lamp, hung on a nail for use as a side Lamp, or carried by the bail as an ordinary Lantern, in fact can be used in a greater variety of ways than any other Lamp or Lantern yet offered the trade.

Can be extinguished by the wind.

Can be filled, lighted, regulated and extinguished without removing the globe.

No. 15 Per dozen, \$

Packed in cases of one dozen and half dozen each.

GLOBE TUBULAR STREET LAMP.

WITH AUTOMATIC EXTINGUISHER.



Showing Globe raised and held in position.

No. 3 Burner, 1½ Inch Wick, Height of Lamp 25-Inches.

We invite your special attention to the No. 3 Globe Tubular Street Lamp, constructed on the Genuine Tubular Principle, which renders perfect combustion, hence a MORE brilliant light than the ordinary Street Gas Light, emits no smoke, and cannot be blown out by the strongest wind. Every Lamp has an Automatic Extinguisher that can be set to extinguish the flame in six, twelve, or sixteen hours, thereby effecting a great saving. To ensure a perfect light, it is necessary to keep the sieve of your Burner thoroughly clean, and at least twice a month employ the bullet contained beneath the brass cap in running the entire length of the air tubes, freeing them from cobwebs or any other obstructions to draught. From the peculiar construction of these Lamps, having outside cold air injectors at the top of the tubes, they are not affected by temperature, and will burn equally as well in cold as in warm weather. They have a fourteen inch enameled reflector at the top of the globe, which throws the light downward, greatly increasing its brilliancy. We furnish duplicates to any parts as ordered. Can be filled, lighted, regulated and extinguished without removing the Globe. Packed one in a box.

No. 3 Globe Tubular Street Lamp,

Each, \$

IRON BRACKET FOR STREET LAMPS



Two Feet Long. Can be fitted to any Street Lamp Socket.

No. 1 Iron Bracket for Street Lamps, Per dozen, \$



"DEITZ" RAILROAD LANTERNS.

No. 12 With Clear Globes, Per dozen, \$

Can be furnished with Colored Globes, if desired, at a small advance.

Packed half dozen in a Case.



SQUARE REFLECTOR STATION LAMPS.

THREE SIZES.

- No. 1 9 x 13 inches, No. 1 Burner, $\frac{5}{8}$ inch Wick, 7 inch
 Silvered Glass Reflector, per dozen, - \$
- " 2 10 x 14 inches, No. 2 Burner, 1 inch Wick, 8 inch
 Silvered Glass Reflector, per dozen, - \$
- " 3 12 x 15 inches, No. 2 Burner, 1 inch Wick, 10 inch
 Silvered Glass Reflector, per dozen, - \$

Above sizes nest in packing.

LANTERN GLOBES.

No. 0	12 ounce Tubular Lantern Globes	per dozen, \$
No. 0	Colored—Ruby, Blue or Green	per dozen,
No. 00	Small Tubular Lantern Globes	per dozen,
No. 00	Colored—Ruby, Blue or Green	per dozen.

IN CASES OF 1 DOZEN, 2 1/2 DOZEN OR 6 DOZEN.

LAMP WICK.

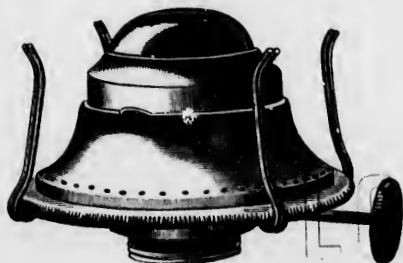
Nutmeg	per roll of 32 yards, \$
O Small	per roll of 32 yards,
A Medium	per roll of 32 yards,
B Large	per roll of 32 yards,
D 1 1/2 inch wide	per roll of 32 yards,
Argand, two inches wide	per roll of 32 yards,
Rochester	per dozen lengths,
Oil Stove, 3 inch	per dozen lengths,
Oil Stove, 3 1/4 inch	per dozen lengths,
Oil Stove, 4 inch	per dozen lengths.

LANTERN BURNERS.

Lantern Burners	per dozen, \$
-----------------	---------------

ONE DOZEN IN A BOX.

BANNER LAMP BURNERS.



O Small	per dozen, \$
A Medium	per dozen,
B Large	per dozen,

ONE DOZEN IN A BOX.

THE FOLLOWING BURNERS SUPPLIED TO ORDER AT LOWEST PRICES:

SUN, SUN HINGE, ARGAND, LEADER, ROCHESTER, ELECTRIC, HARVEY.

LAMP CHIMNEYS.

CRIMP TOP AND QUAKER FLINT.



CRIMP TOP.



QUAKER FLINT.

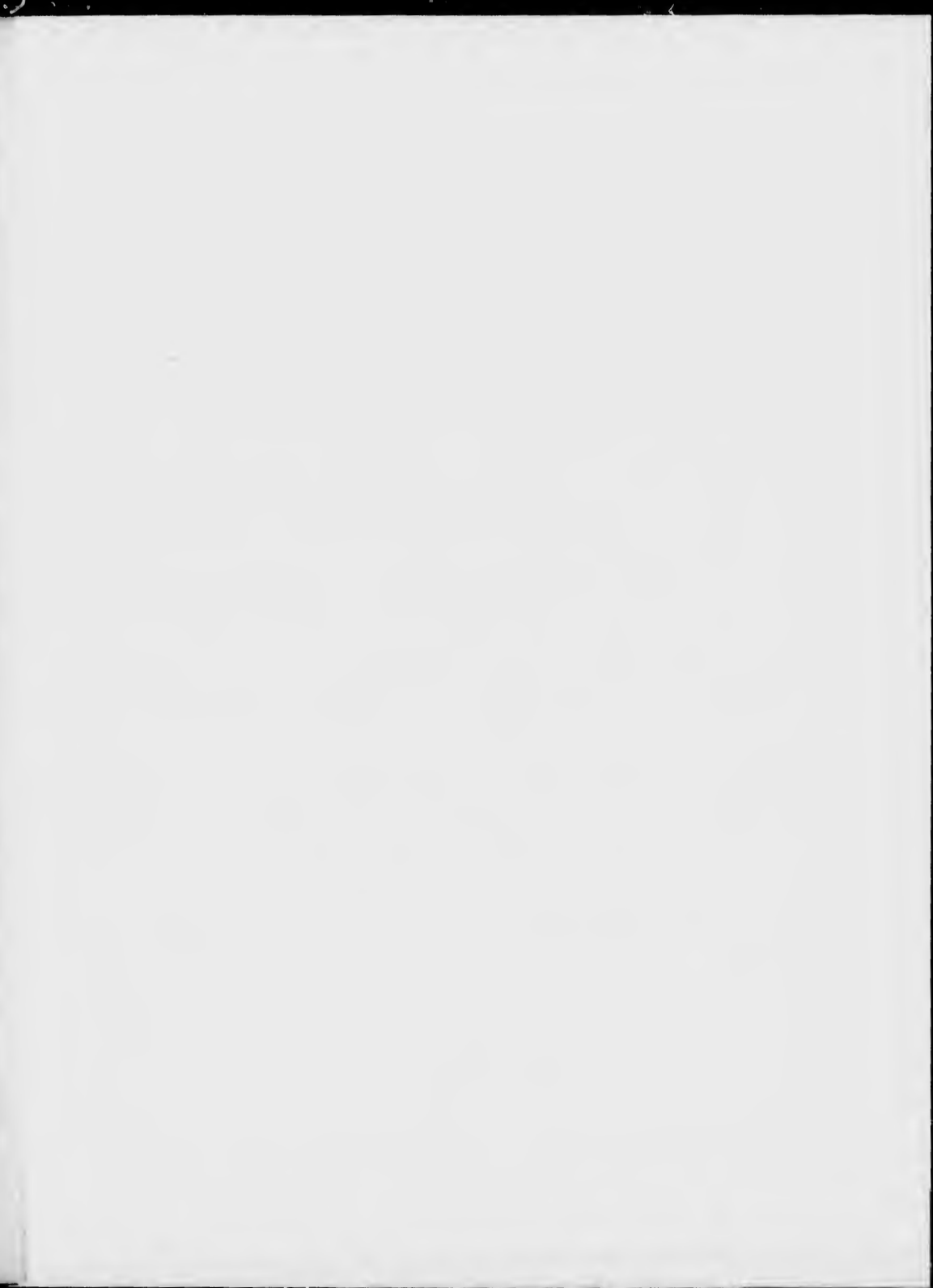
CRIMP TOP.

O	Small.	In cases of 6 dozen	per dozen, \$
A	Medium.	In cases of 8 dozen	per dozen,
B	Large.	In cases of 6 dozen	per dozen,

QUAKER FLINT.

O	Small.	In cases of 6 dozen	- . - . - . - .	per dozen, \$
A	Medium.	In cases of 8 dozen	- . - . - . - .	per dozen,
B	Large.	In cases of 6 dozen	- . - . - . - .	per dozen,

CASES EXTRA



**CIHM
Microfiche
Series
(Monographs)**

**ICMH
Collection de
microfiches
(monographies)**



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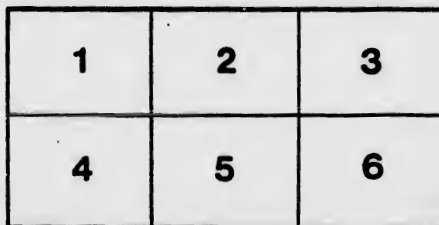
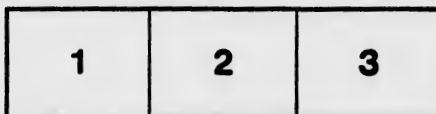
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